



JASL/ENV/2022/020

Date: 29-07-22

To,

**The Director (Industrial Committee-II)**  
**Ministry of Environment, Forest & Climate Change**  
**Indira Paryavaran Bhawan**  
**Jor Bagh Road, New Delhi-110003**

**Subject:** Reply of the ADS sought in project “Proposed Greenfield Grain Based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of Government of India” located at Plot no. A4/2, UPSIDC Industrial Area, Village- Bhartiagram, Tehsil- Gajraula, District- Amroha, Uttar Pradesh by Jubilant Agro Sciences Limited

**Reference:**

**Proposal No. IA/UP/IND2/271805/2022, File No: IA-J-11011/162/2022-IA-II(I)**

**Dear Sir**

Our project was appraised at 6<sup>th</sup> EAC meeting (Industry II) on 19.05.2022 at Agenda no. 6.5. An ADS was generated on 21.05.2022 wherein the Hon’ble EAC sought additional information for appraising the project.

We herewith submit the pointwise reply to the queries raised by the EAC.

**Query 1:**

Details of pollutants responsible for categorising this industrial area as a CPA and Status of present pollution levels in the said critically polluted area.

**Response:**

The CPCB has not disclosed the Criteria Pollutants responsible for categorising the UPSIDC, Gajraula industrial cluster as CPA. Hence, it is not in the knowledge of the Project Proponent regarding the Pollutants responsible for categorising the Industrial area as a CPA.

However, in pursuance of NGT matters in OA No. 1038/2018 dated 19.08.2019, the CPCB have recommended action plan for the CPA’s under CEPI 2018. A mechanism for Environmental Management of Critically and Severely Polluted areas was issued by MoEFCC vide O.M. No. 22-23/2018/IA.III(Pt) Dt. 31/10/2019 as in **Annexure 1A**. Additionally, in pursuance to this the UPPCB issued an OM for Environment Management of Critically and Severely polluted area in Uttar

A Jubilant Ingrevia Company

OUR VALUES



**Jubilant Agro Sciences Limited**  
(formerly Jubilant Crop Protection Limited)  
Plot No. A4/2, UPSIDC Industrial Area,  
Bhartiagram, Gajraula,  
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Pradesh Vide OM letter no. H48273/C-1/NGT/-83/2020 dated 27.02.2020 as in **Annexure 1B**. Further, a specific Environmental Action plan for Gajraula City, detailing the Short Term and Long Term actions plan prepared by UPPCB in consultation with stakeholders, with assigning of responsibilities for implementation based on the source of pollution was issued as in **Annexure 1C**.

The Project Proponent has incorporated all action plans recommended by the MoEFCC in the Environment Management Plan for Critically and Severely polluted areas. A point wise action proposed by the Project Proponent as per the MoEFCC vide O.M. No. 22-23/2018/IA.III(Pt) Dt. 31/10/2019 is as in **Annexure 1D**. In addition, a point wise action plan recommended by the UPPCB in the Environment Management Plan for Critically & Severely polluted areas in Uttar Pradesh and Action Plan for Air Pollution control in Gajraula City detailing the Short Term and Long Term actions plan has been proposed by the Project Proponent as in **Annexure 1E** and **Annexure 1F** respectively.

Present pollution levels as per the Manual monitoring report under National Ambient Monitoring Programme (NAMP) (2020) at Gajraula is given at **Annexure 2** for ready reference.

**Query No. 2:**

Details of Action plan for abating pollution in the said critically polluted area. Details of action plan to be implemented by the surrounding industries in consultation with SPCB for abating pollution level in critically polluted areas.

**Response:**

In pursuance of NGT matters in OA No. 1038/2018 dated 19.08.2019, the CPCB have recommended action plan for the CPA's under CEPI 2018. A mechanism for Environmental Management of Critically and Severely Polluted areas was issued by MoEFCC vide O.M. No. 22-23/2018/IA.III(Pt) Dt. 31/10/2019 as in **Annexure 1A**. Additionally, in pursuance to this the UPPCB issued an OM for Environment Management of Critically and Severely polluted area in Uttar Pradesh Vide OM letter no. H48273/C-1/NGT/-83/2020 dated 27.02.2020 as in **Annexure 1B**. Further, a specific Environmental Action plan for Gajraula City, detailing the Short Term and Long Term actions plan prepared by UPPCB in consultation with stakeholders, with assigning of responsibilities for implementation based on the source of pollution was issued as in **Annexure 1C**.

The Project Proponent has incorporated all action plans recommended by the MoEFCC in the Environment Management Plan for Critically and Severely polluted areas. A point wise action proposed by the Project Proponent as per the MoEFCC vide O.M. No. 22-23/2018/IA.III(Pt) Dt. 31/10/2019 is as in **Annexure 1D**. In addition, a point wise action plan recommended by the UPPCB in the Environment Management Plan for Critically and Severely polluted areas in Uttar Pradesh and Action Plan for Air Pollution control in Gajraula City detailing the Short Term and Long Term actions plan has been proposed by the Project Proponent as in **Annexure 1E** and **Annexure 1F** respectively

**Query No. 3:**

The incremental increase of PM, SO<sub>2</sub> & NO<sub>x</sub> in ambient air quality shall be recalculated with PM emission levels of 30 mg/Nm<sup>3</sup> & norms for SO<sub>2</sub> & NO<sub>x</sub>. The basis/emission norms for PM, SO<sub>2</sub> & NO<sub>x</sub> considered for calculating the incremental increase.

**Response:**

The incremental increase of PM, SO<sub>2</sub> & NO<sub>x</sub> in ambient air quality has been recalculated as by Aermod. Revised Air Dispersion report given at **Annexure 3**.

**Query No. 4:**

All the pollution control measures to be taken by the proposed industry in order to avoid increase in the pollution level of the area. Pollution control measures to be provided to achieve the particulate emission level less than 30 mg/Nm<sup>3</sup> and norms for SO<sub>2</sub> & NO<sub>x</sub>.

**Response:**

In order to avoid an increase in air pollution, the Project Proponent proposes to change the source of power from originally proposed Captive Coal based power to Grid Based power, thus eliminating the use of coal for power generation.

The Boilers proposed for Steam generation would be designed for PM 50 mg/Nm<sup>3</sup> and comply with GSR 96 E Dt. 29/01/2018 stipulating SO<sub>x</sub> @600 mg/Nm<sup>3</sup> & NO<sub>x</sub>@300mg/Nm<sup>3</sup>.

The proposed pollution control measures for avoiding increase in pollution level of the area are detailed in **Annexure 1D, 1E & 1F**.

**Query No. 5:**

Revise fresh water consumption

**Response:**

The water balance & Material Balance submitted as in **Annexure-4 & 5 respectively**. is as recommended by the technology supplier (OEM) based on Grain based distilleries installed elsewhere and by incorporating the design for a Zero Liquid Discharge. However, during the equipment selection for the project construction, every techno-economically feasible option for reducing fresh water consumption, especially in the utility, will be incorporated suitably for reducing the water footprint.

**Query No. 6:**

Commitment that no litigation/court case is pending against the parent company (Jubilant Ingrevia Limited).

**Response:**

Undertaking for no litigation/ court case is pending against the parent company (Jubilant Ingrevia Limited) is attached as **Annexure 6**

**Query No. 7:**

Revised cost break up i.e. Rs. 2.5 Crores earmarked for Corporate Environment Responsibility.

**Response:**

The Corporate Environment Responsibility Budget has been revised to INR 2.5 crores. Revised CER Activities along with budget are given at **Annexure 7**.

**Query No. 8:**

Distance of project site from Delhi-NCR shall be confirmed.

**Response:**

The distance of the project site from the Delhi-NCR boundary is 12.15 km West. Google map showing distance of Delhi-NCR from project site is shown at **Annexure 8**

**Query No. 9:**

Details of use of ETP sludge to be modified.

**Response:**

Revised plan for use of ETP sludge disposal is attached at **Annexure 9**.

**Query No. 10:**

Status of approval of WildLife Conservation plan from DFO.

**Response:**

- a. Conservation plan for the 14 schedule-I species namely *Antelope Cervicapra cervicapra*, *Canis lupus pallipes*, *Crocodylus Palustris*, *Gavialis gangeticus*, *Lissemys punctata*, *Manis Crassicaudata*, *Melanochelys tricarinata*, *Melursus Ursinus*, *Nilssonina gangetica*, *Panthera Pardus*, *Pavo Cristatus*, *Prionailurus bengalensis*, *Python Molurus* & *Varanus bengalensis* has been prepared & submitted to DFO, Amroha for approval vide letter no. dated 03.05.2022 and receipt as in **Annexure 10**.
- b. The same was pursued with the DFO, Amroha pursuant to the MoM of the 6<sup>th</sup> Meeting of the EAC vide letter Dt. 23/05/22 and receipt as in **Annexure 10A**.
- c. On advice of the DFO, Amroha, We have also submitted a request before Conservator of Forest, Meerut pursuant to the MoM of the 6<sup>th</sup> Meeting of the EAC vide letter Dt. 27/05/2022 and receipt as in **Annexure 10B**.
- d. The request has been referred/delegated by the Conservator of Forest, Meerut for necessary action to DFO, Amroha vide letter Dt. 31/05/22 and receipt as in **Annexure 1C**.

We are pursuing the same.

**Query No. 11:**

Action plan for greenbelt development in an area of 40% @2500 trees per hectares. Commitment to not cut trees in existing plants.

**Response:**

Total project area is 66076 Sq.mtr. The bifurcation of the green area proposed and no. of trees to be planted are summarized below and details are given at **Annexure 11:**

- a. Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.
- b. An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.
- c. Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.
- d. Further, an additional plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.
- e. **Hence, total 19,108 trees will be planted in an area of 76,430 sqm (including 21805 sqm within the project boundary and 54,625 sqm outside the project boundary) (115.26% of the proposed project area).**

Commitment on Transplanting/cutting of trees in existing plants is given at **Annexure 6.**

**Query No. 12:**

The financial provision for EMP is very low and needs revision to meet the stringent emission norms.

**Response:**

Revised EMP Cost considering all revised measures to be adopted as per CPA including all APCS cost and revised social budget has been attached as **Annexure 12.**

**Query No. 13:**

Measures to be taken to control air pollution from Rice husk and coal storage.

**Response:**

The proposed distillery is based on Broken Grains and there is no proposal to use rice husk.

Measures to be taken to control air pollution from coal storage has been attached as **Annexure 13**

**Query 14:**

MoU with cement/brick manufacturers for fly ash utilisation, commitment that ash shall be utilised in brick manufacturing units within the premises.

**Response:**

MOU with cement manufacturers for fly ash utilisation has been given at Annexure 14.

Commitment that ash shall be utilised in brick manufacturing units within the premises has been given at **Annexure 6**.

**Query No. 15:**

The committee noted that the project proposal is located within Hastinapur Eco Sensitive Zone and also falls under a critically polluted area

**Response:**

**a) Hastinapur Eco Sensitive Zone:**

1. The Hastinapur Wildlife Sanctuary was notified by the UP State Government vide its notification No. 3782/XIV-3-57-84 Dt. 30 July 1986. However, the Provisions of the Section 19 to 25 of the Wild Life (Protection) Act 1972 for settling of private land rights has remained inconclusive till date and thereby the Section 26 notification was never issued for final boundary notification.
2. The project is located within the boundary of Hastinapur Wildlife Sanctuary marked in the ESZ boundary notification by MoEFCC vide its S.O. 4890(E) dated 18 September 2018 wherein the boundary with GPS position of Hastinapur Wildlife Sanctuary is given at **Annexure 15A**.
3. The UP State Government undertook the rationalization of the HWLS Boundary and the same was recommended by the State Board for Wildlife. The Rationalised boundary was approved by the National Board for Wild Life ("NBWL") vide its MoM F.No. 6-50/2020 WL dated 23.10.2020 (**Annexure 15B**) which has excluded the proposed project site along with the entire Gajraula Nagar Palika in whose jurisdiction the project is located (**Annexure 15C**).
4. The Report from the District Magistrate, Amroha in whose jurisdiction the Project is located has finalised its report for Section 26 Notification of the Hastinapur Wildlife Sanctuary as in **Annexure 15D** indicates that the Project is located at a distance of about 5.6 KMs from the rationalised HWLS boundary.
5. The de-notification gazette of the Hastinapur Wildlife Sanctuary is awaited from GoUP.

In the light of the above,

6. We have submitted an application before the DFO, Amroha for authenticating the distance of the proposed project site from the boundary of HWLS vide letter dated 29.04.2022 and the receipt as in **Annexure 15E**.
7. We have pursued authentication of the distance of the proposed project site from the proposed Boundary of HWLS with Chief Wildlife Warden,

- Bareilly vide letter dated 29.04.2022 and the receipt as in **Annexure 15F**.
8. We have pursued again the authentication of the distance of the proposed project site from the proposed boundary of HWLS with the Chief Conservator of Forest, Bareilly pursuant to the MoM of the 6<sup>th</sup> Meeting of the EAC vide letter Dt. 23/05/2022 and the receipt as in **Annexure 15G** and also a copy of the same submitted to DFO, Amroha for necessary action and the receipt as in **Annexure 15H**.
  9. We have also submitted a request before Conservator of Forest, Meerut pursuant to the MoM of the 6<sup>th</sup> Meeting of the EAC vide letter Dt. 27/05/2022 and the receipt as in **Annexure 15I**. The request has been referred/Delegated by the Conservator of Forest, Meerut for necessary action to DFO, Amroha vide letter Dt. 31/05/22 and the receipt as in **Annexure 15J**.

However, considering the pendency of the Hastinapur Wildlife Sanctuary Boundary Notification Gazette by the UP Government, after completing the process under Section 19 to 25 and following the notification of under Section 6 of WL(P) Acr, 1972, the concerned officer has expressed their inability to authenticate the delimitation Boundary, as they are not empowered.

Considering the above submission and that the policy matter involved, we request the Hon'ble EAC to seek formal reply/confirmation from the MOEFCC, Forest division to authenticate the delimited boundary of HWLS for favourable consideration of the Project for Grant of Environmental Clearance.

**b) Critically Polluted Area:**

The Project lies in the UPSIDC, industrial area, village- Bhartiagram, Tehsil-Gajraula and is in the list of Critically polluted industrial clusters under CEPI for areas monitoring during 2018 & also as per MoEF&CC OM F.No. 22-23/2018-IA.II [E 115231] dated 05.07.2022.

In view of details submitted as per the requirement of ADS, we are hereby requesting you to kindly consider our case for grant of EC at an early date.

**Thanking You**

**Yours faithfully**  
**For Jubilant Agro Sciences Limited**

Anil  
Khubchanda  
ni  
**Anil Khubchandani**

Digitally signed by  
Anil Khubchandani  
Date: 2022.07.30  
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**Director**

Encl: As Above

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## **Annexure 1 (A)**

OM for Environment Management of Critically and Severely  
polluted areas Vide MoEFCC vide O.M. No.  
22-23/2018/IA.III(Pt) Dt. 31/10/2019

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road  
New Delhi-110 003

Dated: 31<sup>st</sup> October, 2019

**OFFICE MEMORANDUM**

**Sub.: Compliance of Hon'ble NGT order dated 19.08.2019 (published on 23.08.2019) in O.A. No. 1038 2018 - reg.**

The Hon'ble NGT in O.A.No.1038/2018 had passed orders regarding formulation of a mechanism for environmental management of critically and severely polluted areas and consideration of activities/projects in such areas.


2. Accordingly, many proposals for environment clearance were kept on hold pending formulation of the above mentioned mechanism.

3. The mechanism has now been finalized by the Ministry (copy enclosed), and necessary action may be taken as given below:

a) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal is yet to be referred to the EACs/SEACs, the mechanism may be provided to the EACs/SEACs which after due diligence may prescribe additional conditions as incorporated in the mechanism for environmental protection.

b) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal has already been recommended by the EACs/SEACs, and the proposal was kept on hold, the mechanism may now be considered by the concerned sectors of the Ministry/SEIAAs and after due diligence the concerned sectors of the Ministry/SEIAAs may prescribe additional conditions as incorporated in the mechanism for environmental protection while issuing ECs.

4. This issue with the approval of the competent authority.

  
(Sharath Kumar Palleria)  
Director /IA Policy Division

Encl: As above

To

1. All the Member Secretaries of IA Division, MoEFCC
2. All Chairmen and Member Secretaries SEIAAs/SEACs

Copy to

1. PPS to AS (RSP), AS (RA)
2. PPS to JS (GM), JS (AKN), JS (SKB)

No. Q-16017/38/2018-CPA  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE  
(CP Division)

\*\*\*\*\*

1<sup>st</sup> Floor, Agni Block,  
Indira Paryavaran Bhawan,  
Jor Bagh Road,  
Aliganj, New Delhi-110003

Dated: 24<sup>th</sup> October, 2019

To,

**Member Secretary**

Central Pollution Control Board  
Parivesh Bhawan, East Arjun Nagar  
Delhi-110032

**Subject: - Compliance of Hon'ble NGT order dated 19.08.2019 (published on 23.08.2019) in O. A. No. 1038 2018 - reg.**

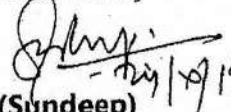
Sir,

Please refer to your letter No. CPCB/IPC-VII/CEPI/NGT/2019 dated 18.10.2019 regarding the subject mentioned as above. In this context, find enclosed herewith the mechanism for environmental management of Critically and Severely Polluted Areas and consideration of activities/projects in such areas in compliance of directions issued by Hon'ble National Green Tribunal on 19.08.2019 (published on 23.08.2019) in O. A. No. 1038 2018. The enclosed Mechanism may be shared with the State/UT Governments and SPCB/PCCs for implementation. However, the report regarding CEPI and EPI assessment study done by CPCB may be put up to the Ministry for further deliberation.

This issues with the approval of the Competent Authority.

**Encl: as above**

Your Faithfully

  
(Sundeep)

Director/Scientist 'F'

Email: [sundeep.moef@gmail.com](mailto:sundeep.moef@gmail.com)

Phone/Fax:011-24695339

**Mechanism evolved after consultation with stakeholders for new activities/ expansion by Red & Orange Category of industries in Critically/ Severely Polluted areas**

**A. Environmental Management of CPAs and SPAs**

Protocol to be followed by the State Pollution Control Boards (SPCBs)/ Pollution Control Committees(PCCs) For improvement of environmental quality in the Critically Polluted Areas (CPAs) and Severely Polluted areas(SPAs)

- i. The CEPI score assessment done by CPCB may be used as warning tool by the State Governments, SPCBs and other concerned to understand the severity of pollution existing in the area and to formulate appropriate action plan.
- ii. The State Govts. / Union Territories / SPCBs/PCCs may finalize the time bound action plans within three months for the identified CPAs and SPAs to restore environment quality within norms. Short term and long term action points have to be formulated with time frames of up to one year and more than one year, as may be required, respectively.
- iii. The action plan may be prepared by a committee constituted by Chief Secretary. Representative of industries association may be included in the committee constituted. The final preparation of action plan including its execution may be overseen by the Chief Secretary of the concerned state. The same may shall be submitted to CPCB for consideration & approval.
- iv. While preparing action plans, the committee constituted by the Chief Secretary shall follow the directions, issued by CPCB under section 18(1) (b) of the Water (Prevention & Control of pollution) Act, 1974 and the Air (Prevention & Control of pollution) Act,1981 on 26.04.2016, which include (i) environmental quality monitoring in all CPAs, (ii) installation of continuous ambient air quality monitoring stations/ Strengthening of manual monitoring stations (iii) installation of continuous water quality monitoring stations, (iv) application of revised CEPI version and (v) action plan & monitoring. Long term and short term action plans, along with sector and region wise action points, should be defined clearly with time lines and responsible implementing agencies. Additionally, Source apportionment Studies may be conducted to ascertain contribution from sources including industries for planning actions.
- v. The progress of implementation of action points may be reviewed by district and State Level Monitoring Committees, quarterly. It would be ensured that there is no slippage either in terms of time frame or the activities to be completed relating to the action plan. In case of delay/ inefficiency in implementation of action plan, the concerned State

Government will take appropriate action against the responsible authorities, implementing agencies, industries, etc. under the provisions of relevant acts/laws.

- vi. The SPCBs/PCCs may undertake environmental quality monitoring for evaluating CEPI in the critically and severely polluted areas falling under their jurisdiction through an outside third party recognized agency (laboratory) under Environment (Protection) Act, 1986 and accredited under NABL. The frequency of monitoring may be twice in a year i.e. pre- monsoon season and post-monsoon season.
  - vii. The action plans prepared for the CPAs/SPAs, environmental quality monitoring data, evaluated CEPI scores (as per revised CEPI-2016 concept) and progress reports of committee meetings to be placed in public domain through their respective State Govts. / UTs / SPCBs / PCCs websites. CPCB may also review the progress of implementation of action plans of CPAs/ SPAs on a quarterly basis.
  - viii. In case CEPI scores of a particular CPA continue to be in critical category for a year, MoEF&CC may review the action plans with the concerned State Govt. / Union territory and impose additional safeguards such as revising the time limits for implementation of action points, supplementary action points and may recommend penal action against the authorities responsible for implementation of action plan for environmental management of CPAs/SPAs.
  - ix. CPCB may also carry out re-assessment of CEPI scores in CPAs, with concurrence of MoEF&CC and report outcome for further consideration and decision by MoEF&CC
  - x. Carrying capacity study of the each of the area may be carried out by State Govts. /Union Territories /SPCBs/PCCs based on the protocols prepared by CPCB.
- B. Consideration of proposals for grant of Environmental clearance for new and expansion activities listed in 'Red' and 'Orange' Categories located in Critically Polluted Areas and Severely Polluted areas:**
- i. Any project or activity specified in Category B1 will be appraised at the Central Level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas or Severely Polluted Areas. However, Category B2 projects shall be considered at state level stipulating Environmental Clearance conditions as applicable for the Category 'B1' project/activities.

- ii. Proposals located in CPAs and SPAs may be examined by the sectoral Expert Appraisal Committee (EAC) during scoping/ appraisal based on the CEPI scores of Air/Water/Land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher CEPI score may be made by EAC in the form of recommendations/ decision. These recommendations may be explicitly mentioned in the Terms of Reference/Environmental Clearance letter and to be ensured by the member secretary concerned.
- iii. SPCBs/PCCs may prescribe following additional conditions, deemed fit for grant Consent to establish (CTE)/Consent to Operate (CTO) to those projects/activities of Red/Orange Categories located in CPAs/SPAs which are not covered under the provisions of the EIA Notification, 2006.

Environment	Mitigation Measures
Air	<p><u>Stipulation of conditions such as:</u></p> <ul style="list-style-type: none"> <li>i. Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.</li> <li>ii. CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.</li> <li>iii. Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.</li> <li>iv. Transportation of materials by rail/conveyor belt, wherever feasible.</li> <li>v. Encourage use of cleaner fuels (pet coke/ furnace oil/LSHS may be avoided).</li> <li>vi. Best Available Technology may be used. For example; usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.</li> <li>vii. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.</li> <li>viii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.</li> </ul>

	ix. Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.
Water	<p><u>Stipulation of conditions such as:</u></p> <ul style="list-style-type: none"> <li>i. Reuse/recycle of treated wastewater, wherever feasible.</li> <li>ii. Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting).</li> <li>iii. A detailed water harvesting plan may be submitted by the project proponent</li> </ul>
	<ul style="list-style-type: none"> <li>iv. <del>Zero liquid discharge wherever techno-economically feasible.</del></li> <li>v. In case, domestic waste water generation is more than 10 KLD, the industry may install STP.</li> </ul>
Land	<p><u>Stipulation of conditions such as:</u></p> <ul style="list-style-type: none"> <li>i. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.</li> <li>ii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.</li> <li>iii. Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.</li> <li>iv. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.</li> </ul>
Other Condition(Additional):	<ul style="list-style-type: none"> <li>i. Monitoring of compliance of EC conditions may be submitted with third party audit every year.</li> <li>ii. The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.</li> </ul>

## **Annexure 1 (B)**

OM for Environment Management of Critically and Severely  
Polluted areas vide letter no. H48273/C-1/NGT/-83/2020  
dated 27.02.2020

**Uttar Pradesh Pollution Control Board**  
**T.C.-12V, Vibhuti Khand, Gomti Nagar,**  
**Lucknow**

No. H48273 /C-1/NGT-83/2020

Date: 27-2-2020

**Office Memorandum**

Whereas, in compliance of order passed by Hon'ble National Green Tribunal dated 23.08.2019 in OA no. 1038/2018 News item published in "The Asian Age" Authored by Sanjay Kaw Titled "CPCB to rank industrial units on pollution levels" a mechanism has been issued by Ministry of Environment, Forest and Climate Change, Government of India vide O.M. No. 22-23/2018/-IA.III(Pt) Dated 31-10-2019 for Environmental Management of Critically and Severely polluted areas. The mechanism has also been circulated by Central Pollution Control Board vide letter no. CPCB/IPC-VII/CEPI/NGT/2019 dated 25-10-2019. It is mentioned in the mechanism that SPCBs/PCCs may prescribe condition suggested in the mechanism to those projects/activities of Red/Orange categories located in CPAs/SPAs which are not covered under EIA Notification 2006. Hon'ble National Green Tribunal considered the matter related to remedial action for control of pollution in identified 100 polluted industrial clusters in whole of India and has passed order dated 14-11-2019. The operative portion of the order regarding implementation of Mechanism is given below:

*" ..... MOEF&CC vide letter dated 24/10/2019 asked CPCB to share the mechanism with the State /UT Govts. and SPCB PCCS for implementation. Accordingly, CPCB vide letter dated 25/10/2019 communicated the mechanism to the concerned State /UT Govts. and SPCB/ PCCs for necessary action. MoEF&CC also asked CPCB that report regarding CEPI and EPI assessment study may be put up to Ministry for further deliberation, which has been done...*

*...7. Mechanism circulated by the CPCB by letter dated 24.10.2019 proposes environmental management of CPAs and SPAs and the mitigation measures proposed. ....*

*...11.... The CPCB may also revise its mechanism for expansion and new activities by red and orange category of industries in critically/ severely polluted areas consistent with the spirit of the earlier orders of this Tribunal and principles of environmental law to bring down the pollution load and ensure that activities do not further add to such load... "*

Whereas, CPCB has shared the CEPI Score data sheet and list of Industrial Areas/Clusters of each PIAs of State of Uttar Pradesh namely Mathura, Kanpur, Moradabad, Varanasi-Mirzapur, Bulandshahar-Khurza, Firozabad, Gajraula, Agra, Ghaziabad, Noida, Meerut, Aligarh, Sighrauli (UP & MP) .



In compliance of order passed by Hon'ble National Green Tribunal and in accordance to the mechanism issued by Ministry of Environment, Government of India a Committee comprising representative of CPCB and UPPCB was constituted by Member Secretary, U.P. Pollution Control Board vide O.M. no. H46656/C-1/NGT-83/2020 dated 22-01-2020 regarding recommendation for laying down stringent norms for new proposed units in Critically and Severely polluted areas in the State of Uttar Pradesh. It was also decided by the Committee to take suggestions from IIT Kanpur also.

Now therefore, on the basis of final recommendations of above mentioned Committee and in exercise of the power conferred under sub section (1) of section 17 of the Water (Prevention and Control of Pollution) Act, 1974, (Act No. 6 of 1974), under sub section (1) of section 17 of the Air (Prevention and Control of Pollution) Act, 1981, (Act No. 14 of 1981), read with under sub rule (2) of rule 3 of Environment (Protection) Rules, 1986, Uttar Pradesh Pollution Control Board hereby lay down following standards for stack emission, effluent discharge and mitigation measures to control Air, Water & Land pollution for new proposed/expansion in Red and Orange category industries in above mentioned Critically and Severely polluted areas in the State of Uttar Pradesh:-

**A. Mitigation measures to control air pollution in all new and expansion activities listed in Red and Orange category located in CPA/SPAs :**

**1. Emission standards for Boiler:-**

S.No.	Steam generation capacity (ton/hour)	Revised emission Standard Particulate Matter (mg/Nm <sup>3</sup> )	Air Pollution Control System
1	Less than 2	600	Multi-cyclone/Ventury Scrubber
2	2 to less than 10	400	Multi-cyclone/Ventury Scrubber
3	10 to less than 15	300	ESP/bag filter
4	15 and above	100	ESP/bag filter: increase number of fields in ESP

However a liberty shall be there to introduce/switch on to cleaner fuel such as CNG/PNG/LPG/ Bio-gas.

2. All new and expansion activities shall achieve 20% reduction in source emission for specific criteria pollutants by introducing suitable pollution control interventions/technologies. However a liberty shall be there to introduce/switch on to cleaner fuel such as CNG/PNG/LPG/ Bio-gas. The Emission standards for Boiler shall be as mentioned at serial no.-1



3. Online Continuous Emission Monitoring System (OCEMS) shall be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.
4. Effective fugitive emission control measures, shall be imposed in the process, transportation, packing etc.
5. Transportation of materials by rail/conveyor belt, wherever feasible.
6. Use of pet coke/furnace oil are prohibited & use of Low Sulphur Heavy Stock (LSHS) shall be avoided.
7. Best Available Technology shall be used; for example, usage of Electric Arc Furnace/Submerged Arc Furnace/Induction Furnace in place of Cupola furnace. However gas based Cupola Furnace shall be allowed. Usage of Supercritical technology in place of sub-critical technology.
8. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
9. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.

**B. Mitigation measures to control water pollution:**

1. Effluent and Sewage Treatment plant of adequate capacity shall be installed & the treated effluent shall comply with the prescribed standards for specific criteria pollutants under the provisions of Environment (Protection) Act, 1986. Treated Effluent standards for Chemical Oxygen Demand (COD), Bio-chemical Oxygen demand (BOD) and Total Suspended Solids (TSS) shall be as given below:-
  - COD  $\leq$  150 mg/l
  - BOD  $\leq$  20 mg/l.
  - TSS  $\leq$  50 mg/l.
  - In case of site / sector specific requirement UPPCB shall reserve the right to prescribe standards for specific parameters.
2. Industries such as Leather Tanneries, Textiles, Dye & Dye intermediates, Paper industry, Electroplating, Pharmaceuticals, Slaughter House, Meat Processing, Chemical manufacturing and all Red and Orange category units in CPA/SPAs shall ensure adoption of suitable cleaner technologies for production and effluent treatment so as to optimally reduce water consumption, waste water generation and achieve stringent norms with an ultimate aim to achieve Zero Liquid Discharge. Time Target Action Plan for achieving Zero Liquid Discharge shall be submitted by project proponents.
3. All new molasses based distilleries including yeast manufacturing units/increase in production in existing molasses based distilleries including yeast manufacturing units shall achieve zero liquid discharge (ZLD) by;
  - I. Concentrating and incinerating the spent wash. Raw / Bio-methanated spent wash to be concentrated by MEE (minimum 45-60 % solids) and incinerated in boiler.
  - II. Concentrating and utilising the spent wash in bio-composting with press mud shall not be allowed.



4. In case of units attached to CETP, they shall treat the effluent as per norms in Environment (Protection) Rules, 1986 or as prescribed by UPPCB.
5. All new/expansion projects of Common Effluent Treatment Plants in CPA/SPAs shall ensure recycling of treated effluent for use in the member units. The CETP alongwith its member units shall ensure adoption of suitable cleaner technologies for production and effluent treatment so as to optimally reduce water consumption, waste water generation and achieve stringent norms with an ultimate aim to achieve Zero Liquid Discharge. Time Target Action Plan for achieving Zero Liquid Discharge shall be submitted by project proponents.
6. Continuous monitoring of effluent quality/quantity in large and medium water Polluting Red Category Industries shall be ensured.
7. A detailed water harvesting plan may be submitted by the project proponent.
8. In case, domestic waste water generation is more than 10 KLD, the industry shall install STP and treat the domestic waste water as per norms mentioned at point-1 above.
9. Monitoring of groundwater quality shall be ensured in pre- and post-monsoon season in and around the industry / facility premises by laboratory approved by MoEF&CC Govt of India / NABL.
10. Valid permission/ NOC of CGWA shall be required to abstract ground water prior to issuance of CTO.

**C. Mitigation measures to control Land pollution:**

1. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
2. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.
3. Disposal of hazardous waste through authorized recyclers/TSD/Incinerators only.
4. The hazardous waste generated should be preferably utilized in co-processing, wherever feasible.
5. Dumping/disposal of waste (fly ash, slag, red mud, etc.) shall be allowed only at designated locations approved by UPPCB.
6. Environmentally sound management of Electronic Waste, Plastic Waste, Solid Waste, Biomedical Waste, Construction & Demolition Waste shall be ensured so that there is no adverse impact on environment.
7. More stringent conditions/norms shall be made applicable for management of hazardous waste on case to case basis



**D. Other Conditions (Additional)**

1. Monitoring of compliance of EC conditions shall be submitted with third party audit every year.
2. The percentage of the Corporate Environment Responsibility (CER) shall be at least 1.5 times the slabs given in the OM no. 22-65/2017-IA.III dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.

**E. Mechanism Developed by CPCB**

The mechanism developed by Central Pollution Control Board regarding stringent norms for new proposed/expansion in units in Critically and Severely polluted areas in the State of Uttar Pradesh in compliance of order passed by Hon'ble National Green Tribunal dated 14.11.2019 in OA no. 1038/2018 shall be applicable on projects in CPA/SPAs.

Note: The above standards and mitigation measures shall come into force on the date of the issuance of the Office Memorandum.

  
Member Secretary

Copy :- for information and necessary action please.

1. Secretary, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, 110003.
2. Principal Secretary, Environment, Forest & Climate Change, Govt. of U.P., Lucknow.
3. Principal Secretary, Infrastructure and Industrial Development, Govt. of U.P., Lucknow.
4. Member Secretary, Central Pollution Control Board, Delhi, Parivesh Bhawan, East Arjun Nagar, Delhi.
5. PS to Chairman, U.P. Pollution Control Board, Lucknow.
6. Managing Director, U. P. State Industrial Development Authority, Kanpur.
7. District Magistrate, Mathura, Kanpur, Moradabad, Varanasi, Mirzapur, Bulandshahar, Firozabad, Amroha, Agra, Ghaziabad, G.B. Nagar, Meerut, Aligarh and Sonbhadra.
8. Director, Environment, Government of Uttar Pradesh, Lucknow.
9. Member Secretary, State Level Environment Impact Assessment Authority, Lucknow.
10. Regional Director, Zonal Office, Central Pollution Control Board, Lucknow.
11. All Chief Environmental Officer/Regional Officer/ U.P. Pollution Control Board.
12. Law Officer-1, U.P. Pollution Control Board, Lucknow.
13. Webmaster, U. P. Pollution Control Board, Lucknow.
14. Guard File.

  
Member Secretary



## **Annexure 1 (C)**

Short Term and Long Term actions plan prepared by UPPCB  
in consultation with stakeholders, with assigning of  
responsibilities for implementation based on the source of  
pollution

**ACTION PLAN**

**FOR**

**THE CONTROL OF AIR POLLUTION**

**IN**

**GAJRAULA CITY**



**REGIONAL OFFICE**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
**108/11, AVAS VIKAS COLONY,**  
**BIJNOR**

## 1. INTRODUCTION

Gajraula Town is situated on NH-24, between Delhi and Moradabad city. Gajraula is a main Industrial town of District – Amroha (J.P. Nagar). Gajraula is a Small city/ Town but known as a Developed Town due to its, Location, Rail and Road connectivity and Industrial activity. Most of The Nearby area is well developed forming area and dairy Milk producing area as well as good forming of sugarcane also. Local drain/River Bagad is the main Rainy drain which carry the storm water and industrial treated waste water and ultimately meet to River Ganga. Gajraula has a humid subtropical climate with cool, dry winter form mid November to February and dry hot summer from late March to June. Due to local sugar crop growing and Ganga River bed December January is mostly full of Fog weather. Gajraula Town is under limit of Nagar Palika Parishad Gajraula. It is an important industrial area of Uttar Pradesh.

Ambient air quality monitoring in Gajraula Town is carried out by UPPCB on out sourcing basis at two location (i) Raunak Automotive Ltd, U.P.S.I.D.C. industrial area and (ii) Indira Chowk, Gajraula. Ambient air quality monitoring is carried out at above two main location of this town. The ambient air quality (PM<sub>10</sub>) is increasing periodically due to development of industrial, commercial and residential activities in this area. Besides this NHA1 work for 06 lining of NH-24 is also in progress and dust emission is prominent due to this activity.

The Ambient Air Quality trends are show that SPM levels are exceeding the national standard. Due to that CPCB has declared this city as non attainment city in U.P. The average concentration of particulate matter in ambient air of urban area mainly contributed by vehicular emission, industrial emission, process emission, fuel quality used in this area, M.S.W. Management, road construction activities. Industries located around this city are also main source of particulate matter emission. The details of industries situated in Gajraula Town and nearby area are as under.

S.No.	Name of Industry	Product Cap.	Fuel used	Air, Pollution, control status
1	Jubilant Agri and Consumer Products Limited (Fertilizer Unit) Bhartiagram, Gajraula, Amroha.	H <sub>2</sub> SO <sub>4</sub> Acid 7500 Ton/Month, SSP-15000 MT/Month & GSP-15000 MT/Month	Coal-31 MTD & Rice Husk-27 MTD	Dust collector, Wet Scrubber Installed

2	Jubilant Agri and Consumer Products Limited (Polymer Unit) Bhartiagram, Gajraula, Amroha.	Soild PVA and Derivatives-2458 MT/Month, Polyurethane Devivatives – 500 MT/Month & Wood finished 450 MT/Month	HSD- 1200 ltr/day	30 mtr. stack.
3	Jubilant Life Sciences Limited (Chemical Unit I) Bhartiagram, Gajraula, Amroha.	Acetic Acid, Ethyl acetate , Acetaldehyde, Acetic Anhydride	Common Steam Header provider by thermal Plant	Scrubber and Absorption tower Installed.
4	Jubilant Life Sciences Limited (Chemical Unit II) Bhartiagram, Gajraula, Amroha.	Pyridine , Picoline, Chino peridene, Lutidine & Derivatives	Common Steam Header provider by thermal Plant	Thermo Oxidizer, Scrubber and Absorption tower Installed.
5	Jubilant Life Sciences Limited (Distillery Unit) Bhartiagram, Gajraula Amroha.	Rectified Sprit 183 KLD	Common Steam Header provider by thermal Plant	Bag filter and 50 mtr. stack installed.
6	Jubilant Life Sciences Limited (Power Plant) Bhartiagram, Gajraula Amroha.	Power Generation 48 M.W.	Coal-32400 MT/M, Bio Gas-4659120 nm <sup>3</sup> /M, R.F.O-300 MT/M, L.D.-330 MT/M,	ESP, Dust collector Mist Eliminator, and 55 mtr. stack installed.
7	Coral News Prints Ltd. Gajraula, Amroha.	Craft Paper 20 Ton/day	Wood/Rice Husk 10 ton/day	Dust collector & 30 mtr. stack installed.
8	Kamakshi Papers Pvt. Ltd., Gajraula, District Amroha	News print Paper 60 Ton/day	Wood/Rice Husk 30 ton/day	Dust collector & 30 mtr. stack installed.
9	Teva API India Ltd, A- 2/1, A-2/2, UPSIDC Industrial Area, Bijnor Road, Gajraula, Amroha.	Bulk durks Intermediate I & II,- 620 MT/Years	LDO-09 KLD, HSD-3800 KLD	Dust collector, Wet Scrubber, Spray Dryer & 30, 45 mtr. stack installed.
10	Insilco Ltd, A-5 UPSIDC ind area Gajraula, Amroha.	Precipitated silica-21000 Ton/Year	Bio Bricate-15 Ton/day & HSD for DG Set.	Dust collector & 30 mtr. stack installed.
11	Umang Dairies Ltd. 3 Km. Hasanpur road Gajraula, Amroha	Pasteurized Milk, Butter Ghee, Dahi By	Rice Husk/Agro waste 72 MT/day	Dust collector, Bag Filter & 40 mtr. stack

		handling of 11.5 lac liter milk.		installed.
12	Dairy India Pvt Ltd. Gajraula, Amroha.	Pasteurized Milk, Butter Ghee, Dahi By handling of 70000 liter milk.	Rice Husk/Agro waste 30 MT/day & Diesel oil for DG Set.	Dust collector & 30 mtr. stack installed.
13	Best Crop Science LLP (Old Name Chemtura Chemicals India Pvt. Ltd.), C-2, Industrial Area Gajraula, Amroha.	Formulation of Pesticides, Insecticides & Herbicides	HSD for DG Set.	Bag Filter
14	Best Agro Chem. Pvt. Ltd., Gajraula, Amroha.	Formulation of Pesticides, Insecticides & Herbicides	Bio Bricate-01 Ton/day & HSD for DG Set.	Dust collector & 30 mtr. stack installed.
15	Raunak Automotive Ltd, Gajraula, Amroha.	Automotive Gear & shaft 30 MT/day	LPG 1800 Kg/day & Diesel oil 400 Ltr/day for DG set.	10 mtr. stack installed.
16	Irachem Pvt. Ltd, Gajraula, Amroha.	Formulation of Pesticides, Insecticides & Herbicides	HSD for DG Set.	Bag Filter
17	Madhur Ceramic Pvt. Ltd, A-8, UPSIDC, Gajraula, Amroha.	Fine bone China ware (Crockery) 05 MT/day	Diesel Oil 2000 Lit/day	10 mtr. stack installed.
18	Kaushambi Paper Mill Pvt. Ltd., Khasra No-138, Village Naipura Khadar, Dhanaura, Gajraula, Amroha	Craft Paer 35 Ton/day	Wood/Rice Husk 09 ton/day	Dust collector, Wet Scrubber & 30 mtr. stack installed.
19	A.S.P Sealing Products Ltd. Gajraula, Amroha	EPDM , Rubber Industrial Profile & Industrial Housing	Diesel oil 1000 Ltr/day	Dust collector, Bag filter & 10 mtr. stack installed.
20	Nirmal Fiber Pvt. Ltd., Gajraula, Amroha	Polyester Staple Fiber 900 Ton/Month & Rexene / Coated fabrics 03 lac mtr. /month.	Coal/wood -2500 kg/day & Diesel oil for DG set.	Dust collector & 15 mtr. stack installed.

## 2. ACTION TAKEN BY THE BOARD

Ambient Air is being monitored regularly by the Board. At source emission monitoring i.e. stack monitoring of industries is also being done regularly and action is being taken accordingly on the basis of analysis report. If any industry is found violating the standards firstly show-cause notice is issued to the industry followed by closure under Air (Prevention and Control of Pollution) Act, 1981.

## 3. SOURCE OF AIR POLLUTION

The source of air pollution in Gajraula are Industrial Air emission, Road dust, Vehicular emission, domestic fuel burning, open waste burning, construction activities, M.S.W. garbage dumping, Bio-mass and garbage burning, crop residue burning etc. Major contribution of air pollution load in town is due to Jubilant organidies Group of Industries because it is the major fuel (like coal, Diesel/furnace oil) consumer in the town. Notices has been issued to submit their action plan for improvement and effective control of Air pollution. Data obtained from Manual monitoring under National Ambient Monitoring Programme (NAMP) (2018) at Gajraula showed values of NO<sub>2</sub> 29.33( $\mu\text{g}/\text{m}^3$ ) and SO<sub>2</sub> 17.75( $\mu\text{g}/\text{m}^3$ ) at Raunaq Auto and ; NO<sub>2</sub> 36.08( $\mu\text{g}/\text{m}^3$ ) and SO<sub>2</sub> 22.08 ( $\mu\text{g}/\text{m}^3$ ) at Indira Chowk.

Air pollution has been viewed seriously by the Hon'ble Supreme Court, Hon'ble High Court & Hon'ble National Green Tribunal and issued specific directions from time to time for the improvement the air quality of the city.

Central Pollution Control Board has also issued direction under section 18 (1)(b) of the Air (Prevention & Control of Pollution) Act 1981, regarding prevention, control or abatement of Air pollution in various cities of Uttar Pradesh. Ambient Air is being monitored regularly by the Board. At source emission monitoring i.e. stack monitoring of industries is also being done regularly and action is being taken accordingly on the basis of analysis report. If any industry is found violating the standards firstly show-cause notice is issued to the industry followed by closure under Air (Prevention and Control of Pollution) Act, 1981.

## 4.ANNUAL AVERAGE DATA OF AMBIENT AIR QUALITY PM<sub>10</sub> ( $\mu\text{g}/\text{m}^3$ ) OF GAJRAULA CITY (YEAR 2013-2018)

U.P. Pollution Control Board is monitoring ambient air quality of Gajraula city manually at 02 locations viz. Raunaq Auto and Indira Chowk for PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>2</sub> parameters. Annual Average data of Ambient Air Quality particularly PM<sub>10</sub> (Particulate Matter size less than 10 microns) were observed during the year 2013-18 are as given below.

S.No.	Name of Location	Category	2013	2014	2015	2016	2017	2018
1	Raunaq Auto	Industrial	131.3	173.9	167.0	183.0	194.3	205.58
2	Indira Chowk	Commercial	141.4	190.9	180.8	198.9	216.5	245.75
	STANDARD (annual average)		60 $\mu\text{g}/\text{m}^3$					

## 5. Short term & Long term Action Plan

### (A) Vehicle emission control

#### (a) Long Term Action Plan: Reduce congestion

Sl. No	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i	Plying of electric buses for public transport including establishment of sufficient charging stations.	360 days	Transport Department
ii	Prepare plan for construction of expressways/bypasses to avoid congestion due to non-destined vehicles.	360 days	N.H.A.I. /PWD
iii	Construction of peripheral road around the city to avoid congestion.	360 days	N.H.A.I./PWD
iv	Arrangement of Multilevel Parking Facilities	360 days	Nagar Nigam/Development Authorities
vi	Development/Strengthening of Bike zone/Cycle zone at metro/railways/bus stations from where travelers hire bi- cycle to reach the destination.	360 days	Nagar Nigam/Development Authorities
vii	Initiate steps for retrofitting of particulate filters in diesel vehicles, when BS-VI fuels are available	360 days	Vehicle Manufacturing Companies/Ministry of Road Transport & Highways (MoRTH)
viii	Use of Bio-Ethanol in the city/urban transport system/waste to energy.	360 days	Transport Department

#### (b) Short Term Action Plan

Sl. No	Action Points	Timeframe for implementation	Action Required to be Taken by Responsible Departments
i	Launch extensive drive against polluting vehicles for ensuring strict compliance	As regular activity	R.T.O/Traffic Police

ii	Launch public awareness campaign for air pollution control, vehicle maintenance, minimizing use of personal vehicles, lane discipline, etc.	As regular activity	R.T.O/ Traffic Police
iii	Prevent parking of vehicles in the non-designated areas	As regular activity	Traffic Police/ Nagar Palika Parishad Gajraula
v	Prepare & implement action plan to check fuel adulteration and random monitoring of fuel quality data	30 days	District Supply Officer/Oil companies
vi	Prepare & implement plan for widening of roads and improvement of infrastructure for decongestion of road	90 days	Nagar Palika Parishad Gajraula
ix	Steps for promoting battery operated vehicles including establishment of charging stations.	120 days	Transport Department/ Nagar Palika Parishad Gajraula & Development Authorities
x	Install weigh in motion bridges at the borders of cities/towns and States to prevent overloading of vehicles	180 days	Transport Department
xi	Synchronize traffic movements/Introduce intelligent traffic systems for lane-driving	180 days	Traffic Police
xii	Installation of remote sensor based PUC system	180 days	Traffic Police

**(B) Suspension of road dust and other fugitive emissions control**

**(a) Long Term Action Plan**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
<b>i)</b>	Implementation of maintaining at least 33% forest cover area in the city in master plan.	360 days	Nagar Palika Parishad Gajraula /Forest Department
<b>ii)</b>	All the canals/nullah's side roads should be	360 days	Irrigation Department/

	brick lined. Proper plantation also carried out.		Forest Department/NMCG
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**(b) Short Term Action Plan**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
<b>i)</b>	Prepare plan for creation of green buffers along the traffic corridors. Plantation of specific types of species of plants which are helpful in pollution control.	90 days	Forest Department/Horticulture/ Nagar Palika Parishad Gajraula & Development Authorities
<b>ii)</b>	Maintain potholes free roads for free-flow of traffic	90 days & as regular activity afterwards.	Nagar Palika Parishad Gajraula
<b>iii)</b>	Introduce water fountains at major traffic intersection, wherever feasible	90 days	Nagar Palika Parishad Gajraula
<b>iv)</b>	Greening of open areas, gardens, community places, schools and housing societies	90 days	Forest Department
<b>v)</b>	Blacktopping of metalled road including pavement of road shoulders	180 days	Nagar Palika Parishad Gajraula
<b>vi)</b>	Use of treated effluent of STPs in Pollution Control Measure such as watering of Plants, sprinkling for dust suppression purposes.	90 days	Nagar Palika Parishad Gajraula
<b>vii)</b>	Wall to Wall pavement for control of dust from road. Design the footpath pavement/tiles having capacity to grow grass in between.	180 days	Nagar Palika Parishad Gajraula

**(C) Control of emissions from biomass/crop residue/garbage/municipal solid waste burning**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
<b>i)</b>	Launch extensive drive against open burning of bio-mass, crop residue, garbage, leaves, etc.	90 days	Nagar Palika Parishad Gajraula

<b>ii)</b>	Regular check and control of burning of municipal solid wastes and use of fire extinguisher for control of fire in municipal solid waste and bio mass.		Nagar Palika Parishad Gajraula
<b>iii)</b>	Proper collection of horticulture waste (bio-mass) and its disposal following composting-cum-gardening approach		Nagar Palika Parishad Gajraula
<b>iv)</b>	Ensure ban on burning of agriculture waste and crop residues and its implementation	180 days	Agriculture Department & U.P. Pollution Control Board
<b>v)</b>	Door to Door collection of segregated waste by agency and then its disposal directly in plant without dumping it on land.	90 days	Nagar Palika Parishad Gajraula
<b>vi)</b>	Establishment of composting pits in Parks/ residential societies etc for management of biodegradable waste.	90 days	Nagar Palika Parishad Gajraula
<b>vii)</b>	No plot should be left open more than 02 years and planting of trees must be mandatory on vacant plots.	90 days	Nagar Palika Parishad Gajraula

**(D) Control of industrial emissions**

**(a) Long Term Action Plan**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Conversion of natural draft brick kilns to induced draft using zigzag technique in a phased manner.	360 days	U.P. Pollution Control Board
ii)	Installation of Electrostatic precipitators and appropriate air pollution control devices in factory units/industries.	180 days	U.P. Pollution Control Board
iii)	Development of mobile facility/van for continuous ambient air quality monitoring for different localities.	360 days	Nagar Nigam

**(b) Short Term Action Plan**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Identification of brick kilns and their regular monitoring including use of designated fuel, and closure of unauthorized units	60 days	U.P. Pollution Control Board
ii)	Conversion of natural draft brick kilns to induced draft	120 days	U.P. Pollution Control Board
iii)	Monitoring of industrial emission including real time online monitoring through OCEMS (Online Continuous Emission Monitoring System) and live camera feed and to take action against non-complying industrial units	60 days, and thereafter, regular activity	U.P. Pollution Control Board
iv)	Bank guarantee should be taken for the compliance of conditions imposed in CTO/CTE for control of Environmental Pollution from industries. The bank guarantee shall be forfeited in case of any violation. Verification of these conditions to be carried out by UPPCB/selected Third Party Institutions/Quality control agencies etc.	60 days, and thereafter, regular activity	U.P. Pollution Control Board
v)	Installation of web cams and OCEMS in Grossly Polluting Industries.	60 days	U.P. Pollution Control Board

**(E) Control of air pollution from constructions and demolition activities**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
i)	Enforcement of Construction & Demolition Rules 2016. Fine should be imposed on defaulting units.	15 days , and thereafter, continue as regular activity	Urban Development/Development Authorities
ii)	Control measures for fugitive emissions from material handling, conveying and screening operations		Urban Development/Development Authorities

	through water sprinkling, curtains, barriers and dust suppression units;		
iii)	Ensure carriage of construction material in closed/covered vessels		Development authorities/ Regional Transport Department
iv)	Environmental aspects should be included during preparation of master plan for development of city.	Within a reasonable timeframe	Urban Development/Development Authorities
v)	Builders should leave 33% area for green belt in residential colonies. Plantation should be done as per Office order No. H16405/220/2018/02 dated 16.02.2018 available on website of the Board .i.e.,www.uppcb.com.	Within a reasonable timeframe	Urban Development/Development Authorities/ housing companies
vi)	All construction areas must be covered to avoid dispersion of particulate matter	30 days	Nagar Nigam /Development Authorities

**(F) Other Steps to control Air Pollution**

**(a) Long Term Action Plan**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
<b>i)</b>	Dead Bodies of Animals should be disposed through proper treatment facility like rendering plant etc	360 days	Nagar Palika Parishad Gajraula
<b>ii)</b>	Installation of CAAQMS by polluting units/institutions etc. under "Polluters Pay Principles".	360 days	U.P. Pollution Control Board
<b>iii)</b>	Source Apportionment, Emission Inventory & Carrying Capacity Assessment	4 years	U.P. Pollution Control Board
<b>iv)</b>	Tree Plantation for mitigation of air pollution based open location of pollution sources and Windrose data	360 days	Forest department/Development Authority/IMD/Regional Office & UPPCB

**(b) Short Term Action Plan**

<b>Sl. No.</b>	<b>Action Points</b>	<b>Timeframe for implementation</b>	<b>Action Required to be Taken by Responsible Departments</b>
<b>i)</b>	Air Quality Index to be calculated and disseminated to the people through website and other media (on maximum fortnightly basis for manually operated monitoring stations and real time basis for continuous monitoring stations)	15days, and thereafter, continue as regular activity	U.P. Pollution Control Board
<b>ii)</b>	Establish an Air Quality Management Division at SPCB/PCC Head Quarters to oversee air quality management activities in the State and interact with CPCB	30 days	U.P. Pollution Control Board
<b>iii)</b>	Set-up and publicize helpline in the city/town as well as SPCB/PCC HQ for complaints against reported non-compliance	30 days	U.P. Pollution Control Board
<b>iv)</b>	Engage with concerned authorities on continual basis for maximizing coverage of LPG for domestic and commercial cooking with target of 100% coverage	30 days	District Supply Officer
<b>v)</b>	Monitoring of DG sets and action against violations Fine should be imposed on defaulters.	30 days	U.P. Pollution Control Board/ Nagar Palika Parishad Gajraula
<b>vi)</b>	Street vendors are to be controlled strictly in respect of removing their wastes and debris before leaving the site of operation	30 days	Nagar Nigam /Development Authorities
<b>vii)</b>	Complete ban on littering of streets with municipal solid wastes (MSW). Segregation & source collection at source of MSW to be implemented.	30 days	Nagar Nigam /Development Authorities
<b>viii)</b>	If Air Quality Index found severe or above grade, ensure availability of masks to public for protection.	90 days	Nagar Nigam

## **Annexure 1 (D)**

Compliance of the action plan as per MoEFCC OM F. No.  
22-23/2018-IA.III (Pt) dated: 31st October, 2019

**ACTION PLAN AS PER MoEFCC OM: F. No. 22-23/2018-IA.III (Pt) dated: 31st October, 2019**

S.No.	Environment	Mitigation Measures	Action Taken		
1.	Air	<p><b>Stipulation of conditions such as:</b></p> <p>i. Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.</p>	<ul style="list-style-type: none"> <li>● Boiler of 90 TPH with stack height above 65 m will be installed. A 5 stage Electrostatic Precipitator (ESP) along with PTFE filter will be installed in order to control air pollution. Emission standard for Boiler (90 TPH) (will be operated as &amp; when required) will be designed for PM &lt;50 mg/Nm<sup>3</sup>.</li> <li>● Boilers will be designed for Multiple fuel feed including Coal, Biomass &amp; PNG, to enable switch over to clean fuel when available in future.</li> <li>● Biomass fuel will be used to substitute coal as much as possible for boiler operation.</li> <li>● Emergency back up DG Sets of 2 x 3500 KVA will be installed with adequate stack height of 30 m having emissions of PM 10 (0.25 g/s), PM 2.5 (0.2 g/s), NO<sub>2</sub> (0.4 g/s), SO<sub>2</sub> (0.24 g/s).</li> <li>● The DG sets of 3500 KVA will be fitted with inbuilt or Retrofitted emission Control Devices (RECD) to capture minimum 70% of the PM emissions and will be suitable for operating with Clean fuel (PNG) and HSD.</li> <li>● Power would be sourced from the grid and thus would reduce coal consumption for power generation.</li> <li>● Waste heat recovery boilers would be installed wherever technically viable for generating steam thus reducing coal consumption.</li> <li>● Distillation process column vent, with condensers will be provided, to control process emissions.</li> </ul>		
		<p>ii. CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.</p>	<p>Noted.</p> <ul style="list-style-type: none"> <li>● Boiler stacks will be fitted with OCEMS to ensure monitoring of emissions</li> <li>● Online Ambient VoC monitoring system with alarm will be installed around storage tanks and &amp; same will be connected to SPCB &amp; CPCB server.</li> </ul>		
		<p>iii. Effective fugitive emission control measures should be imposed in the process of transportation, packing etc.</p>	<p>Sources &amp; Control measures for fugitive measures are given below:</p> <table border="1"> <thead> <tr> <th>Source</th> <th>Control measures</th> </tr> </thead> <tbody> <tr> <td>Equipment Leaks</td> <td>1) Installation of leakage detection and alarm system for critical equipment. 2) Periodic preventive maintenance of valves, pipes and equipment to prevent leakages.</td> </tr> </tbody> </table>	Source	Control measures
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	iv. Transportation of materials by rail/ conveyor belt, wherever feasible.	<ul style="list-style-type: none"> <li>● Coal required for the steam boiler would be transported through rail.</li> <li>● Finished goods would be transported through Rail / road as per the desired delivery point for Oil Marketing companies.</li> <li>● Grain proposed to be sourced from local market and fly</li> </ul>							

			ash for Cement plant are proposed to be despatched by road through covered Trucks/Bulkers.
	v. Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).	<ul style="list-style-type: none"> <li>• Furnace Oil, Pet Coke or Low Sulphur Heavy Stock (LSHS) will not be used as fuel. Provision for switching over to PNG would be made and sourced whenever it becomes available.</li> <li>• Boilers will be designed for Multiple fuel feed including Coal, Biomass &amp; PNG, to enable switch over to clean fuel when available in future.</li> <li>• Biomass fuel will be used to substitute coal as much as possible for boiler operation.</li> </ul>	
	vi. Best Available Technology may be used. For example, usage of EAF/SAF/IF in place of Cupola furnace: Usage of Supercritical technology in place of sub-critical technology.	Not Applicable	
	vii. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.	<p>Noted. Total 115.26% of the proposed project area will be developed as green belt out of which 33% green belt will be developed within the project boundary &amp; 82.26% green belt outside the project boundary. Details are given below:</p> <ul style="list-style-type: none"> <li>• Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>• An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>• Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>• Further, plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG</li> </ul>	
	viii. Stipulation of greenbelt outside the project premises such as avenue plantation,	Noted. Same is included as detailed in response to point No. 7.	

		plantation in vacant areas, social forestry, etc.																					
		ix. Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads are required to be widened, shall be prescribed as a condition.	<p>The existing roads inside the industrial complex of Jubilant are of sufficient carrying capacity with width 7 m for the proposed project and also the carrying capacity of approach road is much higher than the proposed traffic volume hence widening of roads is not proposed.</p> <p><b>Summary of the traffic survey of the approach road is given below:</b></p> <table border="1"> <thead> <tr> <th>Approach road</th> <th>Parameter</th> <th>Existing</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td></td> <td>Width (m)</td> <td colspan="2">7</td> </tr> <tr> <td></td> <td>Carrying Capacity (PCU/Hr)</td> <td colspan="2">2143</td> </tr> <tr> <td></td> <td>Traffic (PCU/Hr)</td> <td>47</td> <td>8</td> </tr> <tr> <td></td> <td>LOS</td> <td>0.02 i.e. Cat "A"</td> <td>0.03 i.e. Cat "A"</td> </tr> </tbody> </table>	Approach road	Parameter	Existing	Proposed		Width (m)	7			Carrying Capacity (PCU/Hr)	2143			Traffic (PCU/Hr)	47	8		LOS	0.02 i.e. Cat "A"	0.03 i.e. Cat "A"
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2.	Water	<p><b>Stipulation of conditions such as:</b></p> <p>i. Reuse/recycle of treated wastewater, wherever feasible.</p>	Proposed grain based distillery unit will be a Zero Liquid Discharge (ZLD) Unit from inception. All effluents will be treated to desired standards for recovery and reuse within the process and utility.																				
		ii. Continuous monitoring of effluent quality/ quantity in large and medium Red Category Industries (water polluting).	Continuous monitoring of effluent quality/quantity will be complied, as per CPCB guidelines.																				
		iii. A detailed water harvesting plan may be submitted by the project proponent	Rainwater runoff harvesting through collection in tanks and utilization in process/utility is considered in the project. An estimated 40,137 Cum/Annum of rainwater runoff will be harvested in a reservoir of about 1200 cum and utilised.. Details of the rainwater harvesting plan are given below this table.																				

	iv. Zero liquid discharge wherever techno-economically feasible.	Proposed grain based distillery unit will be a Zero Liquid Discharge (ZLD) Unit from inception.
	v. In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Domestic waste water generation projected is 8 KLD and an STP will be installed for sewage treatment to the quality prescribed by CPCB for green belt application.

### **Details of Rain Water Harvesting Plan**

#### **1.0 INTRODUCTION**

Contour mapping of the Proposed Grain Distillery area of the Jubilant Agro Sciences Limited spread on an area of about 66,076 m<sup>2</sup> undertaken using Drone survey techniques is as in the Figure-1 with 0.25 mtr contour intervals. Based on the contour maps generated, Micro-watersheds were delineated as in Figure-2. The rainwater runoff harvesting plan is prepared based on these topographic contours map and land use pattern proposed.

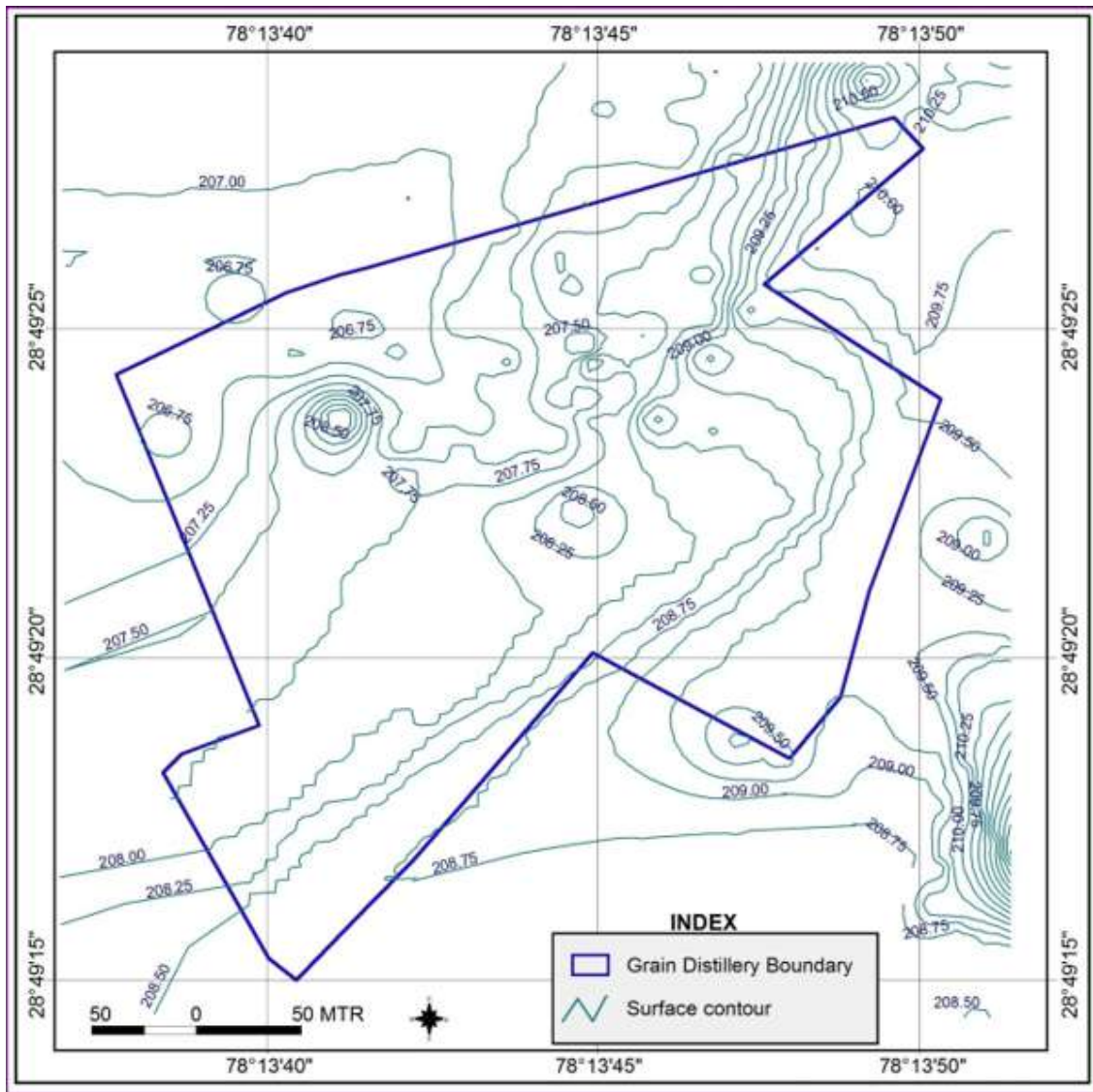


Figure-1. Surface contour (0.25 m interval) using drone techniques

## 2.0 Total surface runoff generated from different micro - watershed within the grain distillery unit

After delineating the 3 micro-water sheds within the plant, the availability of surface runoff has been estimated for each micro-water sheds, depending on its area and at different rainfall intensities as shown in **Table-1**. The surface runoff coefficient has been according to its terrain.

## 2.1 Post construction land use pattern and Micro-water shed

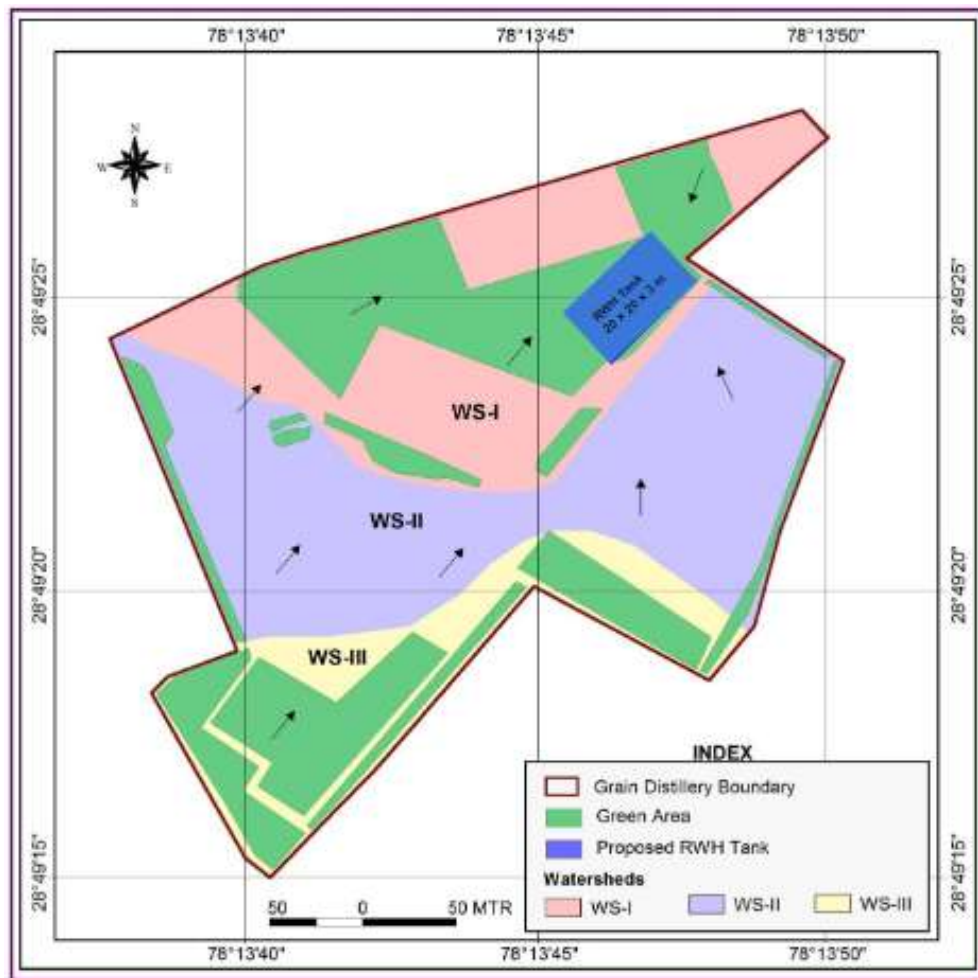


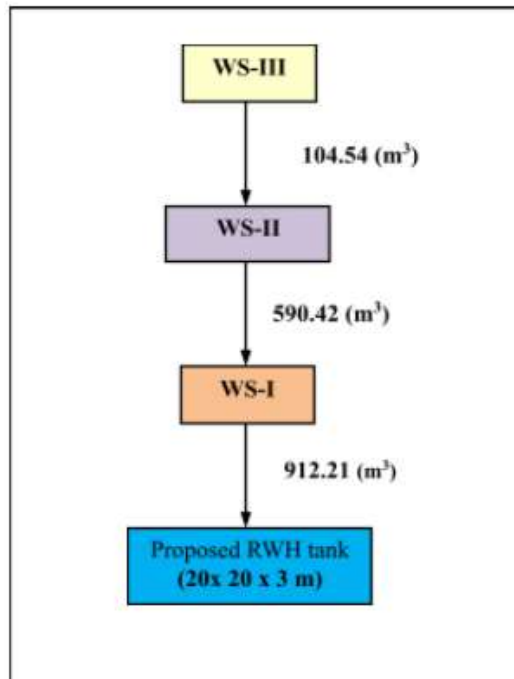
Figure-2. Micro-watersheds within Grain distillery unit

Table-1. Total surface runoff generated from 3 micro-watersheds

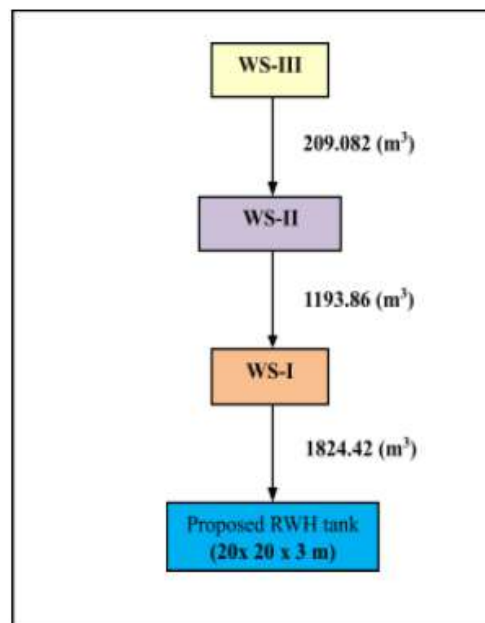
S. No.	Watershed within plant area	Type of Area	Area (m <sup>2</sup> ) (A)	Runoff coefficient (%) (Based on type of Area) (B)	Surface runoff (m <sup>3</sup> )		
					Intensity of rainfall		
					25 mm/day (C1=A x B x 25 mm)	50 mm/day (C2=A x B x 50 mm)	1100 mm (average annual rainfall) (C3=A x B x 1100 mm)
1	WS-I	Green Belt	10842	0.15	41	81	1789
2		Paved/Rooftop	14647	0.75	275	549	12083
3	WS-II	Green Belt	1736	0.15	7	13	287
4		Paved/Rooftop	25914	0.75	486	972	21379
5	WS-III	Green Belt	9203	0.15	35	69	1518

WS-III

6		Paved/Rooftop	3735	0.75	70	140	3081
Total		<b>Green Belt</b>	<b>21781</b>	-	<b>82</b>	<b>163</b>	<b>3594</b>
		<b>Paved/Rooftop</b>	<b>44295</b>	-	<b>831</b>	<b>1661</b>	<b>36543</b>
		<b>Grand Total</b>	<b>66076</b>	-	<b>912</b>	<b>1824</b>	<b>40137</b>



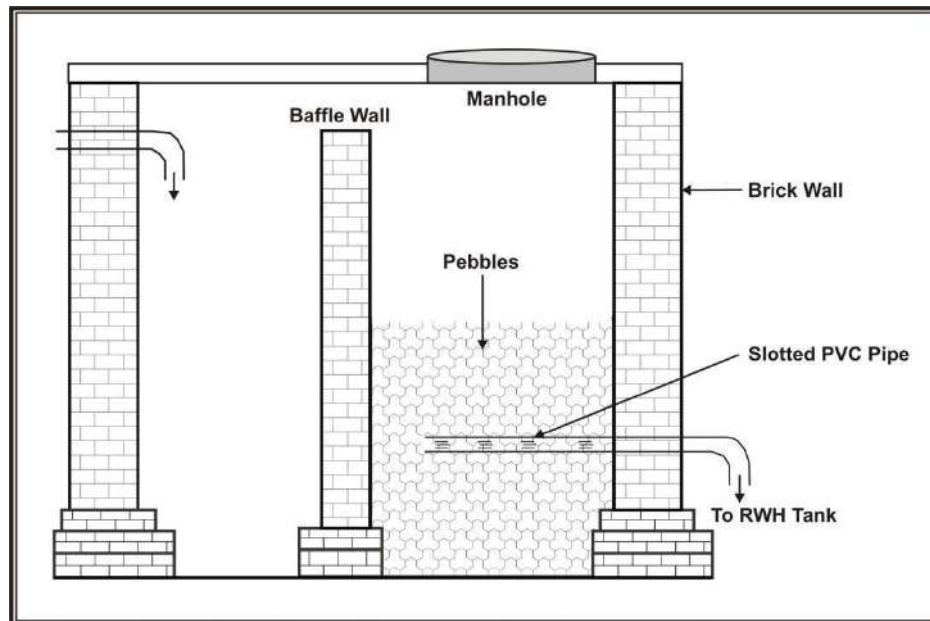
**Flow chart for surface runoff in proposed grain distillery at 25 mm rainfall**



**Flow chart for surface runoff in proposed grain distillery at 50 mm rainfall**

## 2.2 De-siltation chamber for RWH collection tank.

Given below is the schematic design to be adopted for de-siltation chamber:



**Figure- General design of desilting chamber**

## 3.0 Proposed RW Storage tanks

- A RW storage tank of size Approx 20 m x 20 mx 3 m = 1200 cum with pumping arrangement for transferring the collected water to the main water reservoir of the M/s Jubilant Ingrevia Limited is proposed.
- The harvested rainwater will be utilized as a substitute to ground water resources for process requirement and cooling water applications.
- It is estimated that 40,137 Cum of rainwater will be collected annually in the reservoir of 1200 cum for reuse.

3.	Land	<p><b>Stipulation of conditions such as:</b></p> <p>i. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible for new projects.</p>	<p>Total 115.26% of the proposed project area will be developed as green belt out of which 33% green belt will be developed within the project boundary &amp; 82.26% green belt outside the project boundary. Details are given below:</p> <ul style="list-style-type: none"> <li>● Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>● An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>● Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>● Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>
		<p>ii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.</p>	<p>Additional greenbelt will be developed outside the plot area as detailed in Point No. 1</p>
		<p>iii. Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.</p>	<p>Fly ash from boiler will be (generated when the boiler is operated as &amp; when required) 135 TPD which will be sold to cement &amp; Brick manufacturing plant and also will be utilized at brick manufacturing plant within the premises.</p>
		<p>iv. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.</p>	<p>Shall be complied</p> <p>The following are the hazardous waste from the proposed project:</p> <ul style="list-style-type: none"> <li>● Oily cotton &amp; cloth will be 50 kg/month which will be sent to TSDF.</li> <li>● Contaminated containers/bags will be 100 kg/month which will be sent to recyclers</li> <li>● Spent catalyst will be 1000 kg/month which will be sent to TSDF/Landfill.</li> <li>● Used oil will be 300 liter/month which will be</li> </ul>

			disposed through authorised agencies.
4.	Other Condition (Additional):	i. Monitoring of compliance of EC conditions may be submitted with a third party audit every year.	Shall be complied
		ii. The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Under the Corporate Environment Responsibility (CER) budget, the company will spend Rs 2.50 crores as per stipulated by EAC.

## **Annexure 1 (E)**

Compliance of the action plan of OM issued by UPPCB on  
CEPI cases vide letter no. H48273/C-1/NGT/-83/2020 dated  
27.02.2020

**ACTION PLAN AS PER OFFICE MEMORANDUM ISSUED BY UPPCB ON CEPI CASES vide letter no. H48273/C-1/NGT/-83/2020 dated 27.02.2020**

**A. Mitigation measures to control Air Pollution in all new and expansion activities listed in Red and Orange category located in CPA/SPAs:**

S.No.	Mitigation Measures	Action Taken																				
1	<p><b>Stipulation of conditions such as:</b></p> <p>Emission standard for Boiler:-</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Steam Generation capacity (ton/hour)</th> <th>Revised emission standard Particulate matter (mg/Nm<sup>3</sup>)</th> <th>Air Pollution Control System</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Less than 2</td> <td>600</td> <td>Multi-cyclone/Venturi Scrubber</td> </tr> <tr> <td>2.</td> <td>2 to less than 10</td> <td>400</td> <td>Multi-cyclone/Venturi Scrubber</td> </tr> <tr> <td>3</td> <td>10 to less than 15</td> <td>300</td> <td>ESP/bag filter</td> </tr> <tr> <td>4</td> <td>15 and above</td> <td>100</td> <td>ESP/bag filter, increase number of fields in ESP</td> </tr> </tbody> </table> <p>However a liberty shall be there to introduce/switch on to cleaner fuel such as CNG/PNG/LPG/Bio-gas.</p>	S.No.	Steam Generation capacity (ton/hour)	Revised emission standard Particulate matter (mg/Nm <sup>3</sup> )	Air Pollution Control System	1.	Less than 2	600	Multi-cyclone/Venturi Scrubber	2.	2 to less than 10	400	Multi-cyclone/Venturi Scrubber	3	10 to less than 15	300	ESP/bag filter	4	15 and above	100	ESP/bag filter, increase number of fields in ESP	<ul style="list-style-type: none"> <li>Boiler of 90 TPH with stack height above 65 m will be installed. A 5 stage Electrostatic Precipitator (ESP) along with PTFE filter will be installed in order to control air pollution. Emission standard for Boiler (90 TPH) (will be operated as &amp; when required) will be designed for &lt;50 mg/Nm<sup>3</sup> pm.</li> <li>Boilers will be designed for Multiple fuel feed including Coal, Biomass &amp; PNG, to enable switch over to clean fuel when available in future.</li> <li>Biomass fuel will be used to substitute coal as much as possible for boiler operation.</li> </ul>
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2.	<p>All new and expansion activities shall achieve 20% reduction in source emission for specific criteria pollutants by introducing suitable pollution control interventions/technologies. However a liberty shall be there to introduce/switch on to cleaner fuel such as CNG/PNG/LPG/Bio-gas. The emission standards for boiler shall be mentioned at serial no. 1.</p>	<ul style="list-style-type: none"> <li>Emergency back up DG Sets of 2 x 3500 KVA will be installed with adequate stack height of 30 m having emissions of PM 10 (0.25 g/s), PM 2.5 (0.2 g/s), NO<sub>2</sub> (0.4 g/s), SO<sub>2</sub> (0.24 g/s).</li> <li>The DG sets of 3500 KVA will be fitted with inbuilt or Retrofitted emission Control Devices (RECD) to capture minimum 70% of the PM emissions and will be suitable for operating with Clean fuel (PNG) and HSD.</li> <li>Power would be sourced from the grid and thus</li> </ul>																				

		<p>would reduce coal consumption for power generation.</p> <ul style="list-style-type: none"> <li>• Waste heat recovery boilers would be installed wherever technically viable for generating steam thus reducing coal consumption.</li> <li>• Distillation process column vent, with condensers will be provided, to control process emissions.</li> </ul>																										
3.	<p>Online continuous Emission Monitoring System (OCEMS) shall be installed in all large/ medium red category industries (air polluting) and connected to SPCB and CPCB server.</p>	<p>Noted.</p> <ul style="list-style-type: none"> <li>• Boiler stacks will be fitted with OCEMS to ensure monitoring of emissions</li> <li>• Online Ambient VoC monitoring system with alarm will be installed around storage tanks and &amp; same will be connected to SPCB &amp; CPCB server.</li> </ul>																										
4.	<p>Effective fugitive emission control measures should be imposed in the process of transportation, packing etc.</p>	<p>Sources &amp; Control measures for fugitive measures are given below:</p> <table border="1" data-bbox="876 875 1536 2016"> <thead> <tr> <th data-bbox="880 882 1002 913">Source</th> <th data-bbox="1002 882 1532 913">Control measures</th> </tr> </thead> <tbody> <tr> <td data-bbox="880 913 1002 987">Equipment Leaks</td> <td data-bbox="1002 913 1532 1025">1) Installation of leakage detection and alarm system for critical equipment.</td> </tr> <tr> <td data-bbox="880 1025 1002 1137"></td> <td data-bbox="1002 1025 1532 1137">2) Periodic preventive maintenance of valves, pipes and equipment to prevent leakages.</td> </tr> <tr> <td data-bbox="880 1137 1002 1205"></td> <td data-bbox="1002 1137 1532 1205">3) Coal receipts only through Railway siding.</td> </tr> <tr> <td data-bbox="880 1205 1002 1317"></td> <td data-bbox="1002 1205 1532 1317">4) Dust suppression and Dust extraction system for Coal storage area.</td> </tr> <tr> <td data-bbox="880 1317 1002 1429"></td> <td data-bbox="1002 1317 1532 1429">5) Dust extraction system for coal handling, crushing and conveying system</td> </tr> <tr> <td data-bbox="880 1429 1002 1496"></td> <td data-bbox="1002 1429 1532 1496">6) Closed loop pneumatic Fly Ash collection and conveying system</td> </tr> <tr> <td data-bbox="880 1496 1002 1653"></td> <td data-bbox="1002 1496 1532 1653">7) Fly Ash storage in silos and Fly Ash conditioning (Moistening) system and transport through closed bulker trucks</td> </tr> <tr> <td data-bbox="880 1653 1002 1720"></td> <td data-bbox="1002 1653 1532 1720">8) All internal roads will be concrete/black topped</td> </tr> <tr> <td data-bbox="880 1720 1002 1809"></td> <td data-bbox="1002 1720 1532 1809">9) Vacuum Road dust sweeping/cleaning system</td> </tr> <tr> <td data-bbox="880 1809 1002 1877"></td> <td data-bbox="1002 1809 1532 1877">10) Grain receipt through bulkers/covered trucks.</td> </tr> <tr> <td data-bbox="880 1877 1002 1944"></td> <td data-bbox="1002 1877 1532 1944">11) Conveyors and Bucket elevators for grain handling</td> </tr> <tr> <td data-bbox="880 1944 1002 2016"></td> <td data-bbox="1002 1944 1532 2016">12) Grain storage in silos with dust extraction system,</td> </tr> </tbody> </table>	Source	Control measures	Equipment Leaks	1) Installation of leakage detection and alarm system for critical equipment.		2) Periodic preventive maintenance of valves, pipes and equipment to prevent leakages.		3) Coal receipts only through Railway siding.		4) Dust suppression and Dust extraction system for Coal storage area.		5) Dust extraction system for coal handling, crushing and conveying system		6) Closed loop pneumatic Fly Ash collection and conveying system		7) Fly Ash storage in silos and Fly Ash conditioning (Moistening) system and transport through closed bulker trucks		8) All internal roads will be concrete/black topped		9) Vacuum Road dust sweeping/cleaning system		10) Grain receipt through bulkers/covered trucks.		11) Conveyors and Bucket elevators for grain handling		12) Grain storage in silos with dust extraction system,
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5.	Transportation of materials by rail/ conveyor belt, wherever feasible.	<ul style="list-style-type: none"> <li>• Coal required for the steam boiler would be transported through rail.</li> <li>• Finished goods would be transported through Rail / road as per the desired delivery point for Oil Marketing companies.</li> <li>• Grain proposed to be sourced from local market and flyash for Cement plant are proposed to be despatched by road through covered Trucks/Bulkers.</li> </ul>						
6.	Use of pet coke/furnace oil is prohibited & use of Low Sulphur Heavy Stock (LSHS) shall be avoided.	Furnace Oil, Pet Coke or Low Sulphur Heavy Stock (LSHS) will not be used as fuel. Provision for switching over to PNG would be made and sourced whenever it becomes available.						
7.	Best Available Technology shall be used. For example, usage of Electric Arc Furnace/Submerged Arc Furnace/Induction Furnace in place of Cupola furnace: However gas based Cupola Furnace shall be allowed. Usage of Supercritical technology in place of sub-critical technology.	Not Applicable						

8.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.	<p>Noted. Total 115.26% of the proposed project area will be developed as green belt out of which 33% green belt will be developed within the project boundary &amp; 82.26% green belt outside the project boundary. Details are given below:</p> <ul style="list-style-type: none"> <li>• Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>• An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>• Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>• Further, plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>
9.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	<ul style="list-style-type: none"> <li>• Noted. Same is included as detailed in response to point No. 8.</li> </ul>

**A. Mitigation measures to control water pollution:**

S. No.	Descriptions	Action taken
1.	<p>Effluent and Sewage Treatment plants of adequate capacity shall be installed &amp; the treated effluent shall comply with the prescribed standards for specific criteria pollutants under the provisions of Environment (Protection) Act, 1986. Treated Effluent standards for Chemical Oxygen Demand (COD), Biochemical Oxygen demand (BOD) and Total Suspended Solids (TSS) shall be as given below:-</p> <ul style="list-style-type: none"> <li>• COD &lt; 150 mg/l</li> <li>• BOD &lt; 20 mg/l.</li> <li>• TSS &lt; 50 mg/l.</li> </ul>	<p>The unit will operate with Zero Liquid Discharge. All effluents will be treated to desired standards for recovery and reuse within the process and utility.</p>

	<ul style="list-style-type: none"> <li>In case of site / sector specific requirements UPPCB shall reserve the right to prescribe standards for specific parameters.</li> </ul>	
2.	<p>Industries such as Leather Tanneries, Textiles, Dye &amp; Dye intermediates, Paper industry, Electroplating, Pharmaceuticals, Slaughter House, Meat Processing. Chemical manufacturing and all Red and Orange category units in CPA/SP As shall ensure adoption of suitable cleaner technologies for production and effluent treatment so as to optimally reduce water consumption, waste water generation and achieve stringent norms with an ultimate aim to achieve Zero Liquid Discharge. Time Target Action Plan for achieving Zero Liquid Discharge shall be submitted by project proponents.</p>	Proposed grain based distillery unit will be a Zero Liquid Discharge (ZLD) Unit from inception.
3.	<p>All new molasses based distilleries including yeast manufacturing units/increase in production in existing molasses based distilleries including yeast manufacturing units shall achieve zero liquid discharge (ZLD) by;</p> <p>I. Concentrating and incinerating the spent wash. Raw/ Biomethanated spent wash to be concentrated by MEE (minimum 45-60 % solids) and incinerated in a boiler.</p> <p>II. Concentrating and utilising the spent wash in bio-composting with press mud shall not be allowed.</p>	<p>Not applicable.</p> <p>Proposed grain based distillery unit will be a Zero Liquid Discharge (ZLD) Unit from inception</p>
4.	<p>In case of units attached to CETP, they shall treat the effluent as per norms in Environment (Protection) Rules, 1986 or as prescribed by UPPCB.</p>	Not applicable
5.	<p>All new/expansion projects of Common Effluent Treatment Plants in CPA/SPAs shall ensure recycling of treated effluent for use in the member units. The CETP alongwith its member units shall ensure adoption of suitable cleaner technologies for production and effluent treatment so as to optimally reduce water consumption, waste water generation and achieve stringent norms with an ultimate aim to achieve Zero Liquid Discharge. Time Target Action Plan for achieving Zero Liquid Discharge shall be submitted by project proponents.</p>	Not applicable

6.	Continuous monitoring of effluent quality/quantity in large and medium water Polluting Red Category Industries shall be ensured.	Continuous monitoring of effluent quality/quantity has to be complied, as per CPCB guidelines.
7.	A detailed water harvesting plan may be submitted by the project proponent.	Rainwater runoff harvesting through collection in tanks and utilization in process/utility is considered in the project. An estimated 40,137 Cum/Annum of rainwater runoff will be harvested in a reservoir of about 1200 cum and utilised. Details of the rainwater harvesting plan are given as Annexure 1(D).
8.	In case, domestic waste water generation is more than 10 KLD, the industry shall install STP and treat the domestic waste water as per norms mentioned at point-I above.	Domestic waste water generation projected is 8 KLD and an STP will be installed for sewage treatment to the quality prescribed by CPCB for green belt application.
9.	Monitoring of ground water quality shall be ensured in pre- and post-monsoon season in and around the industry/facility premises by laboratory approved by MoEF&CC Govt. of India/NABL.	Shall be complied.
10.	Valid permission/ NOC of CGWA shall be required to abstract ground water prior to issuance of CTO.	Shall be complied

### C. Mitigation measures to control Land pollution:

S. No.	Descriptions	Action taken
1.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33 %, wherever feasible.	Total 115.26% of the proposed project area will be developed as green belt out of which 33% green belt will be developed within the project boundary & 82.26% green belt outside the project boundary. Details are given below: <ul style="list-style-type: none"> <li>Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for</li> </ul>

		<p>mitigation of Critically Polluted Area.</p> <ul style="list-style-type: none"> <li>Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>
2.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.	Additional greenbelt will be developed outside the plot area as detailed in Point No. 1
3.	Disposal of hazardous waste through authorized recyclers/TSD/Incinerators only.	<p>Shall be complied</p> <p>The following are the hazardous waste from the proposed project:</p> <ul style="list-style-type: none"> <li>Oily cotton &amp; cloth will be 50 kg/month which will be sent to TSD.</li> <li>Contaminated containers/bags will be 100 kg/month which will be sent to recyclers</li> <li>Spent catalyst will be 1000 kg/month which will be sent to TSD/Landfill.</li> <li>Used oil will be 300 liter/month which will be disposed through authorised agencies.</li> </ul>
4.	The hazardous waste generated should be preferably utilized in co-processing wherever feasible.	Shall be complied
5.	Dumping/disposal of waste (fly ash, slag, red mud, etc.) shall be allowed only at designated locations approved by UPPCB	Fly ash from boiler will be (generated when the boiler is operated as & when required) 135 TPD which will be sold to cement & Brick manufacturing plant and also will be utilised at brick manufacturing plant within the premises.
6.	Environmentally sound management of Electronic Waste, Plastic Waste, Solid Waste, Biomedical Waste, Construction & Demolition Waste shall be ensured so that there is no adverse impact on the environment.	<p><b>During construction phase:</b> During the construction, approx 25 kg/day of solid waste will be generated from the construction labourers. 10 kg/day of biodegradable waste will be generated which shall be composted at site &amp; 15 kg/day of non-biodegradable waste will be disposed as per Solid Waste Management Rules.</p> <ul style="list-style-type: none"> <li>C&amp;D waste will be disposed as per C&amp;D waste management rules 2016.</li> </ul> <p><b>During operation phase:</b>  <b>Solid Waste Management</b>  During the operation phase, approx 15 kg/day of solid waste will be generated. 5 kg/day of biodegradable waste will be generated which shall be composted as manure and used in green belt development &amp; 10 kg/day of non-biodegradable waste i.e. recyclable waste (plastic, paper, wood, glass etc) will generated which will be sold to</p>

		<p>approved recyclers.</p> <p><b>Non-Hazardous Waste Management</b></p> <ul style="list-style-type: none"> <li>● ETP sludge &amp; STP sludge of quantity 10000 TPA &amp; 12 TPA will be used as manure within the site and rest will be given to the farmers.</li> <li>● 2000 TPA of Discarded bags/containers/metals/packing material which will be sold to recyclers.</li> <li>● 135 TPD of fly ash (will be generated when the boiler is operated, as and when required) which will be sold to brick manufacturers or cement manufacturing plants or will be utilised at brick manufacturing plants within the premises.</li> <li>● Electronic &amp; Biomedical waste whenever generated will be disposed of as per e-waste management rules 2016 &amp; bio-medical waste management rules 2016 respectively.</li> </ul>
7.	More stringent conditions/norms shall be made applicable for management of hazardous waste on a case to case basis.	Shall be complied.

#### D. Other Conditions (Additional)

S. No.	Descriptions	Action taken
1.	Monitoring or compliance of EC conditions shall be submitted with a third party audit every year.	Shall be complied
2.	The percentage of the Corporate Environment Responsibility (CER) shall be at least 1.5 times the slabs given in the OM no. 22-65/2017-1A.111 dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Under the Corporate Environment Responsibility (CER) budget, the company will spend Rs 2.50 crores as per stipulated by EAC.

#### E. Mechanism Developed by CPCB

S. No.	Descriptions	Action taken
1.	Mechanism Developed by Central Pollution Control Board regarding stringent norms for new proposed/expansion in units in Critically and Severely polluted areas in the State of Uttar Pradesh in compliance of order passed by Hon'ble National Green Tribunal dated 14.11.2019 in OA no. 1038/2018 shall be applicable on projects in CPA/SPAs.	Shall be complied.

## **Annexure 1(F)**

Pointwise actions proposed for the proposed project against  
Short Term and Long Term Action Plan for Air Pollution  
control in Gajraula City prepared by UPPCB

## Short Term and Long Term Action Plan: Control of Air Pollution in Gajraula City by UPPCB

### A) Vehicle emission control

#### a) Long Term Action Plan: Reduce congestion

SI. No	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
1	Plying of electric buses for public transport including establishment of sufficient charging stations.	Transport Department	<ul style="list-style-type: none"> <li>The project construction and Operation manpower will be majorly local population from Gajraula area.</li> <li>E-Vehicle will be promoted and E-vehicle charging facility will be provided in the parking area</li> <li>PUC will be ensured for every private vehicle.</li> </ul>
2	Prepare plan for construction of expressways/ bypasses to avoid congestion due to non-destined vehicles.	N.H.A.I./PWD	<ul style="list-style-type: none"> <li>Good Traffic Management Plan will be ensured for avoiding congestion due to trucks/vehicles during construction and operation phase of project proponent.</li> <li>Adequate dedicated parking facilities will be provided for raw material and finished goods trucks/tankers.</li> <li>PUC will be mandated for every truck engaged</li> </ul>
3	Construction of peripheral road around the city to avoid congestion.	N.H.A.1./PWD	Not Applicable
4	Arrangement of Multilevel Parking Facilities	Nagar Nigam/Development Authorities	Adequate Parking area shall be created for all employee vehicles, Raw material trucks and Finished goods trucks to ensure no parking on the common/public roads.
5	Development/Strengthening of Bike zone/Cycle zone at metro/railways/bus stations from where travelers hire bi- cycle to reach the destination.	Nagar Nigam/Development Authorities	<ul style="list-style-type: none"> <li>E-vehicles for employees will be promoted for employees during operation of the project.</li> <li>Sharing of vehicles among employees will be promoted</li> </ul>

<b>SI. No</b>	<b>Action Points</b>	<b>Action Required to be Taken by Responsible Departments</b>	<b>Action proposed by Jubilant Agro Sciences Limited</b>
6	Initiate steps for retrofitting of particulate filters in diesel vehicles, when BS-VI fuels are available	Vehicle Manufacturing Companies/Ministry of Road Transport & Highways (MoRTH)	<ul style="list-style-type: none"> <li>E-vehicles for employees will be promoted for employees during operation of the project.</li> <li>PUC will be mandated for all vehicles entering the project area.</li> </ul>
7	Use of Bio-Ethanol in the city/urban transport system/waste to energy.	Transport Department	<ul style="list-style-type: none"> <li>Proposed project is Grain Based Distillery Unit under Ethanol Blended Petrol (EBP) Programme of Government of India”.</li> </ul>

#### **b) Short Term Action Plan**

<b>SI. No</b>	<b>Action Points</b>	<b>Action Required to be Taken by Responsible Departments</b>	<b>Action proposed by Jubilant Agro Sciences Limited</b>
i	Launch extensive drive against polluting vehicles for ensuring strict compliance	R.T.O./Traffic Police	<ul style="list-style-type: none"> <li>All the Vehicles entering the Project area during Construction and Operation will be Mandated for PUC.</li> </ul>
ii	Launch a public awareness campaign for air pollution control, vehicle maintenance, minimizing use of personal vehicles, lane discipline, etc.	R.T.O./Traffic Police	<ul style="list-style-type: none"> <li>Will undertake an Awareness Programme for employees as well the Community through a structured CSR Program, in collaboration with the RTO/Traffic Police.</li> </ul>

SI. No	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
iii	Prevent parking of vehicles in the non-designated areas	Traffic Police/ Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>● Adequate Parking area shall be created for all employee vehicles, Raw material trucks and Finished goods trucks to ensure no parking on the common/public roads.</li> <li>● Adequate security personnel will be deployed to guide and ensure parking of vehicles in designated areas.</li> </ul>
v	Prepare & implement action plan to check fuel adulteration and random monitoring of fuel quality data	District Officer/ Supply Oil companies	Not Applicable
vi	Prepare & implement plan for widening of roads and improvement of infrastructure for decongestion of road	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>● The Proposed Project is located in UPSIDC industrial area with good road infrastructure and is adjoining the NH-24 which is also under widening by NHAI.</li> <li>● Internal roads within the project area are provided with adequate road width suitable for the vehicular traffic expected.</li> </ul>
ix	Steps for promoting battery operated vehicles including establishment of charging stations.	Transport Department/ Nagar Palika Parishad Gajraula & Development Authorities	<ul style="list-style-type: none"> <li>● E-vehicles for employees will be promoted for employees during operation of the project.</li> <li>● Dedicated parking with free E-Vehicle charging points will be provided.</li> </ul>

SI. No	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
x	Install weigh in motion bridges at the borders of cities/towns and States to prevent overloading of vehicles	Transport Department	<ul style="list-style-type: none"> <li>● Dedicated Weigh Bridge is proposed inside the project area</li> <li>● Every incoming raw material and Outgoing Finished Goods vehicle will be mandatory checked for loading within the permissible load for the same.</li> <li>● Any incoming vehicle with overloading would be prohibited from entering or Leaving the Project premises</li> </ul>
xi	Synchronize traffic movements/Introduce intelligent traffic systems for lane-driving	Traffic Police	The Project area will have optimum movement for trucks and with a good traffic management system including Speed Limit Indicator, diversion sign boards, Speed breakers, etc within project premises.
xii	Installation of remote sensor based PUC system	Traffic Police	Not applicable

**B. Suspension of road dust and other fugitive emissions control**

**a) Long Term Action Plan**

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Implementation of maintaining at least 33% forest cover area in the city in master plan.	Nagar Palika Parishad Gajraula /Forest Department	<ul style="list-style-type: none"> <li>● Total project area is 66076 Sq.mtr</li> <li>● Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>● An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>● Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>● Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>
ii)	All the canals/nullah's side roads should be brick lined. Proper plantation shall also be carried out.	Irrigation Department/Forest Department/ NMCG	Plantation of 5,000 trees equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.

**b) Short Term Action Plan**

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Prepare a plan for creation of green buffers along the traffic corridors. Plantation of specific types of species of plants which are helpful in pollution control.	Forest Department/ Horticulture/ Nagar Palika Parishad Gajraula & Development Authorities	<ul style="list-style-type: none"> <li>● Total project area is 66076 Sq.mtr</li> <li>● Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>● An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>● Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>● Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>
ii)	Maintain potholes free roads for free-flow of traffic	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>● Internal roads of the plants shall be maintained.</li> <li>● No overloading of trucks engaged in the Proposed Project will be ensured</li> </ul>
iii)	Introduce water fountains at major traffic intersection, wherever feasible	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>● Dust suppression system with water Sprinklers for Coal storage area will be installed</li> <li>● Mobile water sprinklers will be deployed on approach roads outside the Project Property and the roads within the property to prevent Tyre dust emission.</li> </ul>

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
iv)	Greening of open areas, gardens, community places, schools and housing societies	Forest Department	<ul style="list-style-type: none"> <li>● Total project area is 66076 Sq.mtr</li> <li>● Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>● An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>● Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>● Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>
v)	Blacktopping of metalled road including pavement of road shoulders	Nagar Palika Parishad Gajraula	All internal roads within the Project area will be largely Concrete or black topped
vi)	Use of treated effluent of STPs in Pollution Control Measure such as watering of Plants, sprinkling for dust suppression purposes.	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>● Only treated sewage from the Proposed Project will be utilised in Green Belt development.</li> <li>● Jointly worked with Nagar Palika Parishad for sourcing community treated sewage for additional green belt requirement and also industrial cooling to reduce freshwater consumption.</li> </ul>
vii)	Wall to Wall pavement for control of dust from the road. Design the footpath	Nagar Palika Parishad Gajraula	Not Applicable

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
	pavement/tiles having capacity to grow grass in between.		

**C) Control of emissions from biomass/crop residue/garbage/municipal solid waste burning**

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Launch extensive drive against open burning of biomass, crop residue, garbage, leaves, etc.	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>• There shall be no Open burning of any waste or material within the Proposed Project boundary.</li> <li>• Awareness programmes will be conducted for the community through CSR programs.</li> </ul>
ii)	Regular check and control of burning of municipal solid wastes and use of fire extinguishers for control of fire in municipal solid waste and biomass.	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>• Organic / Food wastes shall be composted within the Project boundary and used as manure in the green belt.</li> <li>• All Municipal wastes shall be segregated at source and disposed as per SWM Rules.</li> <li>• Extensive network of Fire wire all around the property boundary would be sufficient to handle any fire in the green belt area.</li> </ul>
iii)	Proper collection of horticulture waste (biomass) and its disposal following composting-cum-gardening approach	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>• Horticultural waste shall be composted on site for further utilization in plantation.</li> </ul>

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
iv)	Ensure ban on burning of agriculture waste and crop residues and its implementation	Agriculture Department & U.P. Pollution Control Board	Not Applicable
v)	Door to Door collection of segregated waste by agency and then its disposal directly in plant without dumping it on land.	Nagar Palika Parishad Gajraula	<ul style="list-style-type: none"> <li>● Organic / Food wastes shall be composted within the Project boundary and used as manure in the green belt.</li> <li>● All Municipal wastes shall be segregated at source and disposed as per SWM Rules</li> </ul>
vi)	Establishment of composting pits in Parks/ residential societies etc. for management of biodegradable waste.	Nagar Palika Parishad Gajraula	Composting facility shall be established for treatment of biodegradable waste generated due to the project.
vii)	No plot should be left open more than 02 years and planting of trees must be mandatory on vacant plots.	Nagar Palika Parishad Gajraula	Plantation of 7,500 trees jointly with the Forest department and Nagar Parishad Gajraula on land owned/Allotted by the departments is considered in CER/CSR initiatives.

## D) Control of industrial emissions

### a) Long Term Action Plan

Sl.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Conversion of natural draft brick kilns to induced draft using zigzag technique in a phased manner.	U.P. Pollution Control Board	<ul style="list-style-type: none"><li>● Not Applicable.</li><li>● Fly Ash bricks manufacturing and Utilization shall be promoted by supplying Ash</li><li>● Shall install in-house flyash brick making facility jointly with Jubilant Ingrevia Limited for captive consumption and promotion of flyash bricks.</li></ul>
ii)	Installation of Electrostatic precipitators and appropriate air pollution control devices in factory units/industries.	U.P. Pollution Control Board	<ul style="list-style-type: none"><li>● Electrostatic precipitators with PTFE Filters shall be installed for achieving particulate matter emission &lt;50 mg/Nm<sup>3</sup>.</li><li>● Adequate stack height as per the guidelines permission shall be installed.</li><li>● OCEMS shall be installed for control of emission from stack</li></ul>
iii)	Development of mobile facility/van for continuous ambient air quality monitoring for different localities.	Nagar Nigam	<ul style="list-style-type: none"><li>● OCEMS shall be installed on Boiler stacks</li><li>● Regular AAQ monitoring will be undertaken through accredited agencies.</li></ul>

**b) Short Term Action Plan**

SI.No	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Identification of brick kilns and their regular monitoring including use of designated fuel, and closure of unauthorized units	U.P. Pollution Control Board	<ul style="list-style-type: none"> <li>● Not Applicable</li> <li>● Flyash brick making unit shall be installed in-house jointly with Jubilant Ingrevia Limited for captive consumption as well to promote fly ash brick utilization.</li> </ul>
ii)	Conversion of natural draft brick kilns to induced draft.	U.P. Pollution Control Board	Not applicable
iii)	Monitoring of industrial emission including real time online monitoring through OCEMS (Online Continuous Emission Monitoring System) and live camera feed and to take action against non-complying industrial units	U.P. Pollution Control Board	OCEMS (Online Continuous Emission Monitoring System) is proposed for installation as per guidelines of SPCB/CPCB for the proposed project.
iv)	Bank guarantee should be taken for the compliance of conditions imposed by CTO/CTE for control of Environmental Pollution from industries. The bank guarantee shall be forfeited in case of any violation. Verification of these conditions to be carried out by UPPCB/selected Third Party Institutions/Quality control agencies etc.	U.P. Pollution Control Board	Bank Guarantee, if any imposed, shall be submitted as per Consent conditions of State Pollution Control Board.

SI.No	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
v)	Installation of webcams and OCEMS Grossly Polluting Industries.	U.P. Pollution Control Board	Web cam and OCEMS shall be installed as recommendations and guidelines of SPCB/CPCB.

#### E) Control of air pollution from construction and demolition activities

SI.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Enforcement of Construction & Demolition Rules 2016. Fine should be imposed on defaulting units.	Urban Development/ Development Authorities	<ul style="list-style-type: none"> <li>● Dust mitigation measures shall be implanted during construction of the project.</li> <li>● Dedicated area shall be earmarked for storage of construction material and waste.</li> <li>● All vehicles carrying construction material and waste shall be covered.</li> <li>● Debris shall be used for leveling of land.</li> <li>● All provisions C&amp;D Rules 2016 shall be implemented.</li> </ul>
ii)	Control measures for fugitive emissions from material handling, conveying and screening operations through water sprinkling, curtains, barriers and dust suppression units	Urban Development/Develop ment Authorities	Fugitive dust emission control measures including dust suppression, Curtains and barriers shall be implemented to control dust emission from material handling, conveying and use during construction.

SI.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
iii)	Ensure carriage of construction material in closed/covered vessels	Development authorities/ Regional Transport Department	All vehicles carrying construction material and waste shall be covered.
iv)	Environmental aspects should be included during preparation of the master plan for development of the city.	Urban Development/Development Authorities	<ul style="list-style-type: none"> <li>● Layout planning has been done to meet the guidelines of UPSIDC</li> <li>● The mitigation measures for the environment aspect as may be stipulated by MoEFCC while granting Environmental Clearance shall be implemented.</li> <li>● The mitigation measures for the environment aspect as may be stipulated by UPPCB while granting Consent for Establishment and Consent for Operate shall be implemented.</li> </ul>
v)	Builders should leave 33% area for green belt in residential colonies. Plantation should be done as per Office order No. H16405/220/2018/02 dated 16.02.2018 available on the website of the Board i.e.,www.uppcb.com.	Urban Development/Development Authorities/ housing companies	<ul style="list-style-type: none"> <li>● Total project area is 66076 Sq.mtr</li> <li>● Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>● An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>● Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>● Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>

<b>SI.No.</b>	<b>Action Points</b>	<b>Action Required to be Taken by Responsible Departments</b>	<b>Action proposed by Jubilant Agro Sciences Limited</b>
vi)	All construction areas must be covered to avoid dispersion of particulate matter	NagarNigam/Development Authorities	All construction areas and material will be covered to arrest fugitive emission, during the proposed project.

#### **F) Other Steps to control Air Pollution**

##### **a) Long Term Action Plan**

<b>SI.No.</b>	<b>Action Points</b>	<b>Action Required to be Taken by Responsible Departments</b>	<b>Action proposed by Jubilant Agro Sciences Limited</b>
i)	Dead Bodies of Animals should be disposed through proper treatment facility like rendering plant etc	Nagar Palika Parishad Gajraula	Not applicable
ii)	Installation of CAAQMS by polluting units/institutions etc. under "Polluters Pay Principles"	U.P. Pollution Control Board	Not applicable
iii)	Source Apportionment, Emission Inventory & Carrying Capacity Assessment	U.P. Pollution Control Board	Not applicable

SI.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
iv)	Tree Plantation for mitigation of air pollution based open location of pollution sources and Windrose data	Forest department/ Development Authority/IMD/ Regional Office & UPPCB	<ul style="list-style-type: none"> <li>• Total project area is 66076 Sq.mtr</li> <li>• Green belt of 5451 trees, equivalent to 21805 Sq.Mtrs (33% of the proposed project area) shall be undertaken within the Project boundary.</li> <li>• An additional green belt of 1159 trees, equivalent to 4625 Sq.Mtrs (7% of the proposed project area) shall be undertaken outside the project boundary in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited.</li> <li>• Further, an additional greenbelt of 7,500 trees, equivalent to 30,000 Sq mtr (45.4% of the proposed project area) shall be undertaken in land belonging to Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.</li> <li>• Further, the plantation of 5,000 trees, equivalent to 20,000 Sq mtr (30.3% of the proposed project area) shall be undertaken along the Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG.</li> </ul>

#### b) Short Term Action Plan

SI.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
i)	Air Quality Index to be calculated and disseminated to the people through website and other media (on maximum fortnightly basis for manually operated monitoring stations and real time basis for continuous monitoring stations)	U.P. Pollution Control Board	Not Applicable

SI.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
ii)	Establish an Air Quality Management Division at SPCB/PCC HeadQuarters to oversee air quality management activities in the State and interact with CPCB	U.P. Pollution Control Board	Not Applicable
iii)	Set-up and publicize helpline in the city/town as well as SPCB/PCC HQ for complaints against reported non-compliance	U.P. Pollution Control Board	Not Applicable
iv)	Engage with concerned authorities on continual basis for maximizing coverage of LPG for domestic and commercial cooking with target of 100% coverage	District Supply Officer	Not Applicable
v)	Monitoring of DG sets and action against violations Fine should be imposed on defaulters.	U.P. Pollution Control Board/ Nagar Palika Parishad Gajraula	The DG sets proposed for emergency backup will be complying to the emission norms stipulated by CPCB and shall have adequate high stack
vi)	Street vendors are to be controlled strictly in respect of removing their wastes and debris before leaving the site of operation	NagarNigam/Development Authorities	Not Applicable

SI.No.	Action Points	Action Required to be Taken by Responsible Departments	Action proposed by Jubilant Agro Sciences Limited
vii)	Complete ban on littering of streets with municipal solid wastes (MSW). Segregation & source collection at source of MSW to be implemented	Nagar Nigam/ Development Authorities	<ul style="list-style-type: none"> <li>● Jointly with the Nagar Nigam, waste segregation at source by community will be implemented under CER initiatives.</li> <li>● All recyclable MSW waste within the proposed project shall be segregated at source and handed over to recycling vendors as per SWM Rules.</li> </ul>
viii)	If the Air Quality Index is found severe or above grade, ensure availability of masks to the public for protection.	Nagar Nigam	<ul style="list-style-type: none"> <li>● All personnel within the project area shall be provided with masks</li> <li>● Masks shall be distributed to community through CSR program</li> </ul>

## **Annexure 2**

Present pollution levels as per the Manual monitoring report  
under National Ambient Monitoring Programme (NAMP)  
(2020) at Gajraula

S.No.	Name of Location	Category	PM10 ( $\mu\text{g}/\text{m}^3$ )			SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )			NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )		
			Minimum (24-hourly average)	Maximum (24-hourly average)	Annual Average	Minimum (24-hourly average)	Maximum (24-hourly average)	Annual Average	Minimum (24-hourly average)	Maximum (24-hourly average)	Annual Average
1.	Raunaq Auto Ltd, J.P. Nagar	Industrial	41	439	161	9	29	18	14	47	27
2.	Indira Chowk, J.P. Nagar	Commercial	42	459	169	6	38	17	12	50	26

Reference: Manual Monitoring under National Ambient Monitoring Programme (NAMP) (2020) at Gajraula

## **Annexure 3**

### Revised Air Dispersion Report

**AIR QUALITY MODELLING OF POINT  
AND NONPOINT EMISSION ON  
AMBIENT AIR QUALITY**

**Proposed Grain Based Distillery Unit  
(Capacity 400 KLD) under Ethanol Blended  
Petrol Programme (EBP) of GoI**

**At**

**Jubilant Agro Sciences Limited (Grain Distillery Unit),  
UPSIDC Industrial Area, Bhartia Gram, Gajraula**

**Project Proponent:**

**M/s Jubilant Agro Sciences Limited**

**Prepared By:**

**M/s PERFECT ENVIRO SOLUTIONS PVT. LTD.**

**501 -507 NN MALL, SECTOR 3 ROHINI**

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# 1. INTRODUCTION

The ambient air quality Ground Level Concentration (GLC) of the area near any project is impacted due to air pollution sources in the project. The air pollution sources are of two types:

- Point Sources – Chimneys/ Stacks/ ducts/ Vents
- Non-Point Sources – Vehicles, machinery, blasting, drilling etc.

The emissions from these sources spread or disperse in the air and cause an increase in the pollution level in ambient air. This causes an increase in Ground Level Concentration (GLC). This increase in GLC can be predicted for the proposed Project using Air Dispersion Modelling. In this study, AERMOD developed by Lakes Environmental Inc. is used to calculate incremental Ground Level concentrations (GLC) for the proposed sources of air pollution in the proposed project, for Particulate emissions, Gaseous emissions ( $\text{NO}_x$  &  $\text{SO}_2$ ).

## 2. METHODOLOGY

### 2.1. Modeling procedure

The American Meteorological Society (AMS)/Environmental Protection Agency (EPA) Regulatory Model Improvement Committee (AERMIC) was formed to introduce state-of-the-art modeling concepts into the EPA's air quality models. Through AERMIC, a modeling system, AERMOD, was introduced that incorporated air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain.(Epa and OAR 2016)

There are two input data processors that are regulatory components of the AERMOD modeling system: AERMET, a meteorological data preprocessor that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, and AERMAP, a terrain data preprocessor that incorporates complex terrain using USGS Digital Elevation Data.

The pollutants released into the atmosphere will disperse in the downwind direction and finally reach the ground at a farther distance from the source. The concentration of ground level concentrations mainly depends upon the strength of the emission source and micrometeorology of the study area.

The AERMOD is actually a modeling system with three separate components: AERMOD (AERMIC Dispersion Model), AERMAP (AERMOD Terrain Preprocessor), and AERMET (AERMOD Meteorological Preprocessor). Special features of AERMOD include its ability to treat the vertical inhomogeneity of the planetary boundary layer, special treatment of surface releases, irregularly-shaped area sources, a plume model for the convective boundary layer, limitation of vertical mixing in the stable boundary layer, and fixing the reflecting surface at the stack base.

The AERMET is the meteorological preprocessor for the AERMOD. Input data can come from hourly cloud cover observations, surface meteorological observations and twice-a-day upper air soundings. Output includes surface meteorological observations and parameters and vertical profiles of several atmospheric parameters.

The AERMAP is a terrain pre-processor designed to simplify and standardize the input of terrain data for the AERMOD. Input data include receptor terrain elevation data. Output includes, for each receptor, location and height scale, which are elevations used for the computation of airflow around hills. The input file for the AERMOD model makes use of a keyword/parameter approach to specifying the options and input data for running the model.

For Air Dispersion Modelling following methodology shall be used:

AERMOD uses Gaussian plume dispersion modelling parameters, the generalised equation is given below:

$$c = \frac{Q}{2\pi u \sigma_y \sigma_z} \exp\left(-\frac{1}{2} \frac{y^2}{\sigma_y^2}\right) \left\{ \exp\left[-\frac{1}{2} \frac{(z-h)^2}{\sigma_z^2}\right] + \exp\left[-\frac{1}{2} \frac{(z+h)^2}{\sigma_z^2}\right] \right\}$$

Where

$c$  = concentration at a given point ( $\text{g}/\text{m}^3$ )

$Q$  = emission rate ( $\text{g}/\text{s}$ )

$u$  = wind speed (m/s)

$\sigma_y$  = dispersion parameter in the horizontal (lateral) direction (m)

$\sigma_z$  = dispersion parameter in the vertical direction (m)

$x$  = direction of the wind ( $x = 0$  at the source;  $x > 0$  downwind).

$y$  = horizontal direction perpendicular to the wind ( $y = 0$  at the center of the plume; positive on your left when you look downwind).

$z$  = vertical direction ( $z = 0$  at the surface and positive above the surface).

As well as the effective source height  $h$ . They all have meters as units.

### Plume Rise

Plume rise  $\Delta h$  has been determined according to Brigg's formula (CPCB guideline)

$$\Delta h = 21.425 \frac{F^{3/4}}{\overline{U_s}} \quad \text{for } F < 55$$

and

$$\Delta h = 38.71 \frac{F^{3/5}}{\overline{U_s}} \quad \text{for } F > 55$$

$$F = g V_s D^2 (T_s - T_a) / 4 T_s$$

Where

$U_s$  = wind speed at stack level (m/s)

$V_s$  = stack gas velocity (m/s)

$T_s$  = stack gas temperature (K)

$T_a$  = ambient temperature (K)

$F$  = Buoyancy flux parameter ( $m^4/s^3$ )

$\Delta h$  = Plume rise (m)

$D$  = Diameter of the stack (m)

$g$  = acceleration due to gravity, 9.807 ( $m/s^2$ )

## 2.2. EXTRAPOLATION OF WIND SPEED

Wind speed at stack level is calculated by power law as given below.

$$U_{\text{stack}} = U_{10}(\text{Stack height}/10)^p$$

Where  $U_{10}$  is the wind speed at 10 meter level and  $p$  is the power law coefficient (0.07, 0.07, 0.10, 0.15, 0.35 and 0.55 for stability classes A, B, C, D, E and F respectively) as per Irwin for rural areas (USEPA, 1987).

### 2.2.1. Stability Classification

Hourly stability is determined by the wind direction fluctuation method as suggested by Slade (1965) and recommended by CPCB (PROBES/70/1997-1998).

$$\sigma_{\theta} = W_{\text{dr}}/6$$

$\sigma_{\theta}$ , is standard deviation of wind direction fluctuation,  $W_{\text{dr}}$  is the overall wind direction fluctuation or width of the wind direction in degrees. The table for stability classes is given as under.

*Table 1. Stability Class*

Stability Class	$\sigma_{\theta}$ (degree)
A	> 22.5
B	22.4 – 17.5
C	17.4 – 12.5
D	12.4 – 7.5
E	7.4 – 3.5
F	< 3.5

### 2.2.2. Dispersion Parameters

Dispersion parameters  $\sigma_y$  and  $\sigma_z$  for open country conditions (Briggs, 1974) are used as the project is located on a flat terrain in a rural area. Atmospheric dispersion coefficients vary with downwind distance ( $x$ ) from emission sources for different atmospheric stability conditions. (CPCB – PROBES/70/1997-98).

### 2.2.3. Rural Conditions

Table 2. Stability classification

Stability Class	$\sigma_v$	$\sigma_z$
A	$0.22x(1+0.0001x)^{-5}$	$0.20x$
B	$0.16x(1+0.0001x)^{-5}$	$0.12x$
C	$0.11x(1+0.0001x)^{-5}$	$0.08x(1+0.0002x)^{-5}$
D	$0.08x(1+0.0001x)^{-5}$	$0.06(1+0.0015x)^{-5}$
E	$0.06x(1+0.0001x)^{-5}$	$0.03x(1+0.0003x)^{-1}$
F	$0.04x(1+0.0001x)^{-5}$	$0.16x(1+0.0003x)^{-1}$

## 2.3. INPUT DATA

### 2.3.1. About the project

M/s Jubilant Agro Science Limited) proposed is for establishment of a new “Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI” located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh.

The proposed project is Categorised as B2 and shall be appraised at the Central Level by Expert Appraisal Committee (EAC) as per the clause 4 (iiia) of the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, Schedule 5(ga) of EIA Notification, 2006. Hence the project is being submitted in MOEF&CC.

### 2.3.2. Location of the project

Table 3. Location of the project site

<b>Particular</b>	<b>Latitude</b>	<b>Longitude</b>
A	28°49'24.39"N	78°13'37.54"E
B	28°49'18.94"N	78°13'39.71"E
C	28°49'18.67"N	78°13'38.75"E
D	28°49'18.39"N	78°13'38.32"E
E	28°49'18.20"N	78°13'38.23"E
F	28°49'15.00"N	78°13'40.23"E
G	28°49'20.24"N	78°13'44.45"E
H	28°49'18.26"N	78°13'47.68"E
I	28°49'23.79"N	78°13'50.67"E
J	28°49'25.95"N	78°13'47.55"E
K	28°49'25.54"N	78°13'47.18"E
L	28°49'24.79"N	78°13'44.50"E
M	28°49'25.78"N	78°13'41.95"E
N	28°49'25.52"N	78°13'41.02"E
O	28°49'25.91"N	78°13'40.88"E
P	28°49'25.49"N	78°13'39.38"E

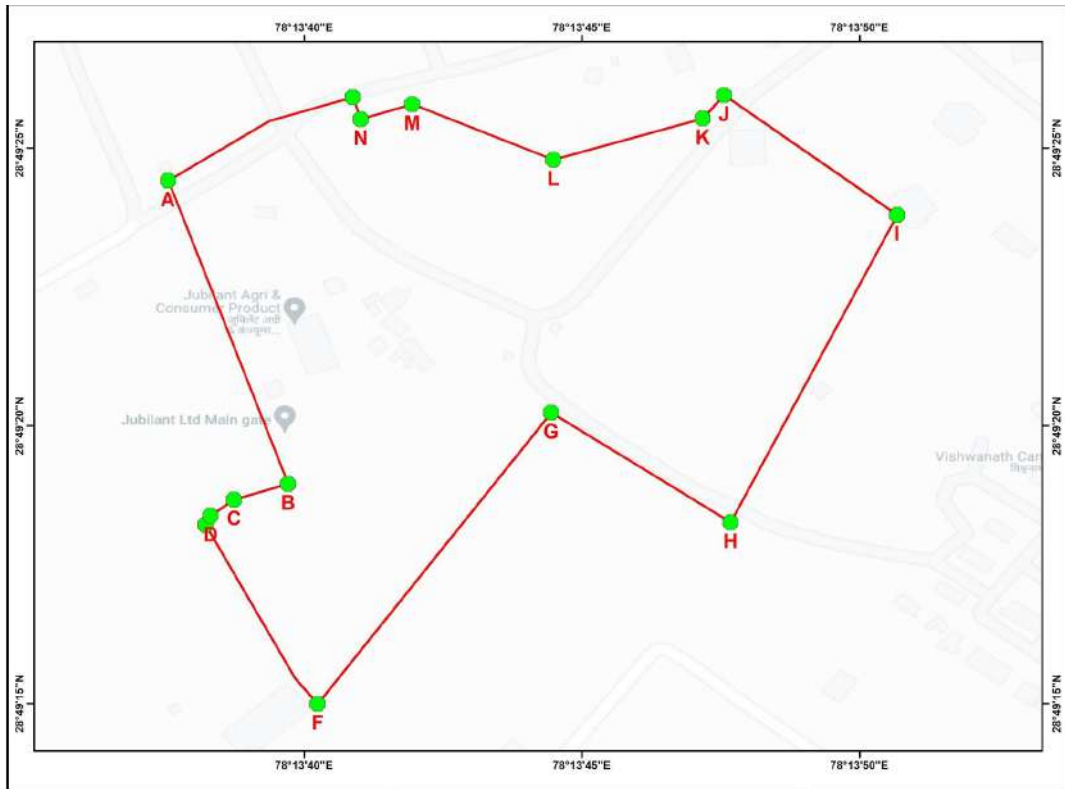


Figure 1. Closed eye view of the proposed project

### 2.3.3. Sources

A Table showing all the sources of Air Pollution (Incremental i.e. Proposed due to the proposed project) are given; other air pollutant sources have not been considered in the model because their impact has been already incorporated in baseline concentrations (Onsite and Buffer zone). Proposed project will have 2 x 3500 kW DG sets and 1x90 TPA boiler (Standby). The emission factors have been calculated using the experimental/ practically computed (As per USEPA).

### 2.3.4. Emission characteristics of proposed stack sources and non point source

Table 4. Point and nonpoint source

Parameter	STACK1	STACK2	Non-point source
Capacity	DG set 2x(3500 kW)	Boiler 1(90) TPH	Cars/truck/two wheeler
No. of units operative at any point of time	Proposed	Proposed	Proposed
Hours of operation	2	24	14-16 hours
Exhaust diameter(m)	0.45	3.2	0.15-2(cm)
Stack height (m)	30	65	1 m for truck 0.5 m for two wheelers
APCS	Adequate stack height	5 stage ESP with PTFE filter	-
Exhaust gas temperature (K)	393	393	Ambient
Exhaust gas velocity (m/s)	13	7.5	2.5
<b>Emission of pollutants (g/s)</b>	Source: USEPA AP 42, Emission Inventory of Common Process Unit Operations		
Particulate matter (PM10)	0.25	2.28 (50 mg/Nm <sup>3</sup> )	0.003
Particulate matter (PM2.5)	0.2	1.93 (40 mg/Nm <sup>3</sup> )	0.002
Oxides of Nitrogen	0.4	13.7 (300 mg/Nm <sup>3</sup> )	0.018

(NO <sub>2</sub> )			
Sulphur dioxide (SO <sub>2</sub> )	0.24	2.7 (600 mg/Nm <sup>3</sup> )	–

### 2.3.5. Meteorological Data

Meteorology plays an important factor toward regulation of ambient air quality. Variability of pollutant concentrations in a location has different characteristics based on the prevalent meteorological conditions as it encompasses many atmospheric processes that control or strongly influence the evolution of emissions of chemical species, aerosols and particulate matter (Banerjee, Barman, and Srivastava 2011). 24 Hourly meteorological data project site for one week (March 2022) in respect of wind speed, wind direction, temperature and cloud amount are utilized in this study which were collected by M/s Perfect Researchers Pvt Ltd. Mean mixing heights for each hour for each region are extracted from the IMD data and AERMOD Upper air estimator data. These data are used in air quality modelling software.

### 2.3.6. Ambient Air Quality Standards and Background Concentrations

Ambient air quality standards promulgated by Central Pollution Control Board (CPCB) for different areas are as follows:

*Table 5. Ambient Air Quality Standards(as per CPCB)*

S. No	Pollutant µg/m <sup>3</sup>	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area(Notified by Central Government)
1.	Sulphur Dioxide(SO <sub>2</sub> ),	Annual*	50	20
		24 hours**	80	80
2.	Nitrogen Dioxide(NO <sub>2</sub> ),	Annual*	40	30
		24 hours**	80	80
3.	Particulate Matter (size less than 10µm) or PM <sub>10</sub>	Annual*	60	60
		24 hours**	100	100
4.	Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	Annual*	40	40
		24 hours**	60	60

5.	Carbon Monoxide(CO) mg/m <sup>3</sup>	8 Hours	2	2
		1 Hour	4	4

\*Annual arithmetic mean of minimum 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals\*\*24 hours monitored values shall be compiled 98% of the time in a year, 2% of the time, they may exceed the limits but not on two consecutive days of the morning. The above standards are for a sampling period of 24 hours.

*Table 6. Baseline concentration of air pollutants at the project site and nearby villages falling under 10 Km radius area from the site.*

Location	PM10 (Std. Limit -100µg/m <sup>3</sup> )	PM2.5 (Std. Limit -60 µg/m <sup>3</sup> )	SO <sub>2</sub> (Std. Limit -80 µg/m <sup>3</sup> )	NO <sub>2</sub> (Std. Limit -80 µg/m <sup>3</sup> )
A1 -W	171.2	130.65	10.8	44.9
A2-E	123.25	58.9	9.25	32.4
Naipura	217.6	124.3	10.7	34.8

## 2.4. PLAN AND FRAMEWORK OF COMPUTATIONS

### 2.4.1. Selection of Locations

The locations have been selected around the project site, covering an area of 10 km radius from the centre of the project site. The entire area has been put on a grid network and grid spacing has been taken as 250 m.

### 2.4.2. Plan of Computation

The emission rate, dispersion coefficients and other input data being now available; it was planned to compute the following:

- The 24-hourly averaged incremental concentration with hourly data.
- The identification of grid point having peak concentration for the incremental values.
- Preparation of isopleths for various pollutants.

### 2.4.3. Input parameters for air quality modeling:

Table 7. The input parameters for air quality modeling (AERMOD)

Input		Description
<b>Modelling Software Used</b>		AERMOD View-Version 10.2.1
<b>Control Pathway</b>		
Terrain		Elevated
Dispersion Coefficient		Rural
<b>Meteorology Pathway</b>		
1	Met Input Data	AERMET Meteorological data of (March 2022) for Gajraula procured from Lakes Inc, USA
2	Latitude:	Plant Location as shown earlier
3	Longitude:	
4	Datum	WGS 84
5	Base Elevation:	0 m from the sea level
<b>Receptor</b>		Uniform Cartesian Grid 1 with 250 m receptor spacing
Source Pathway (Emission Sources)		Stationary source: 2 Hrs per day (DG), 24 Hrs per day (Boiler) and Vehicular emissions - 14-16 hr per day

## 2.5. MODEL OUTPUT FILES

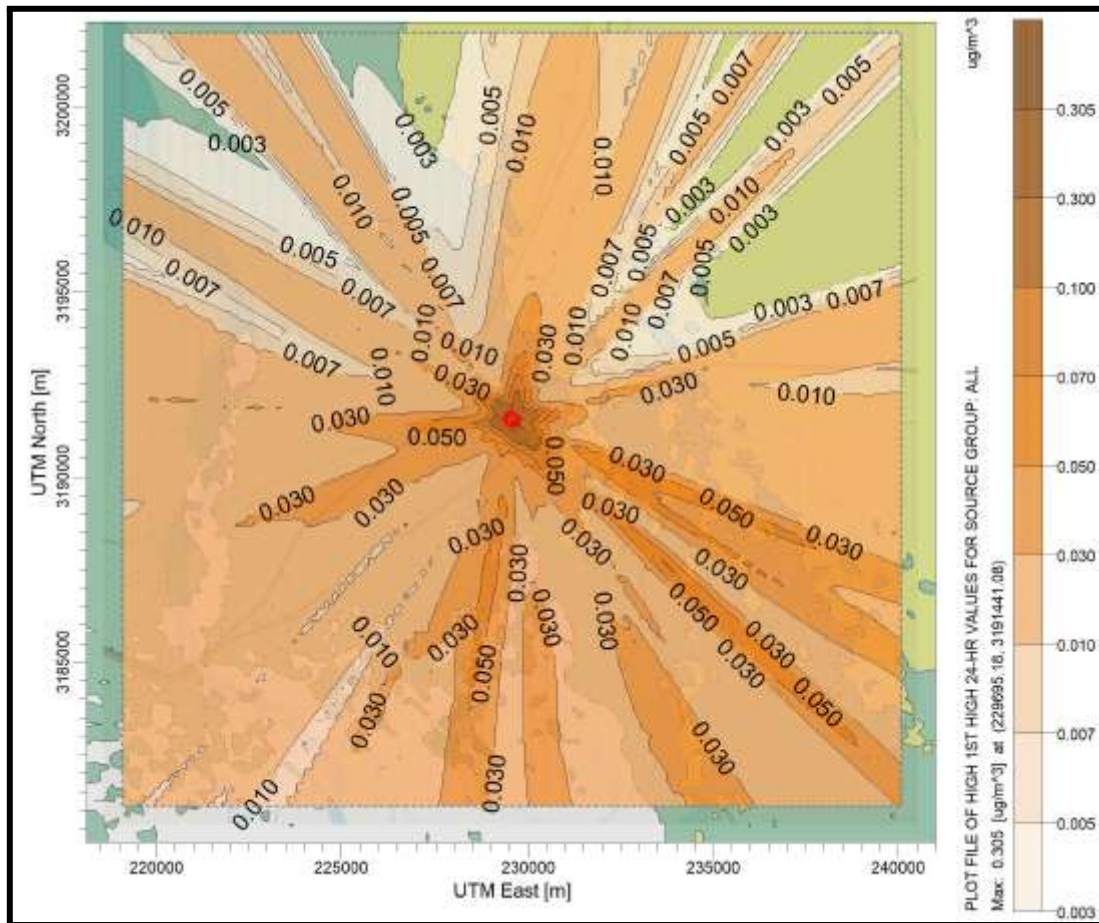


Figure 2. a): Predicted incremental isopleths of maximum GLC-0.305  $\mu\text{g}/\text{m}^3$  (PM<sub>2.5</sub> dispersion) and maximum GLC is at the distance of 350 m from the project site in ESE direction

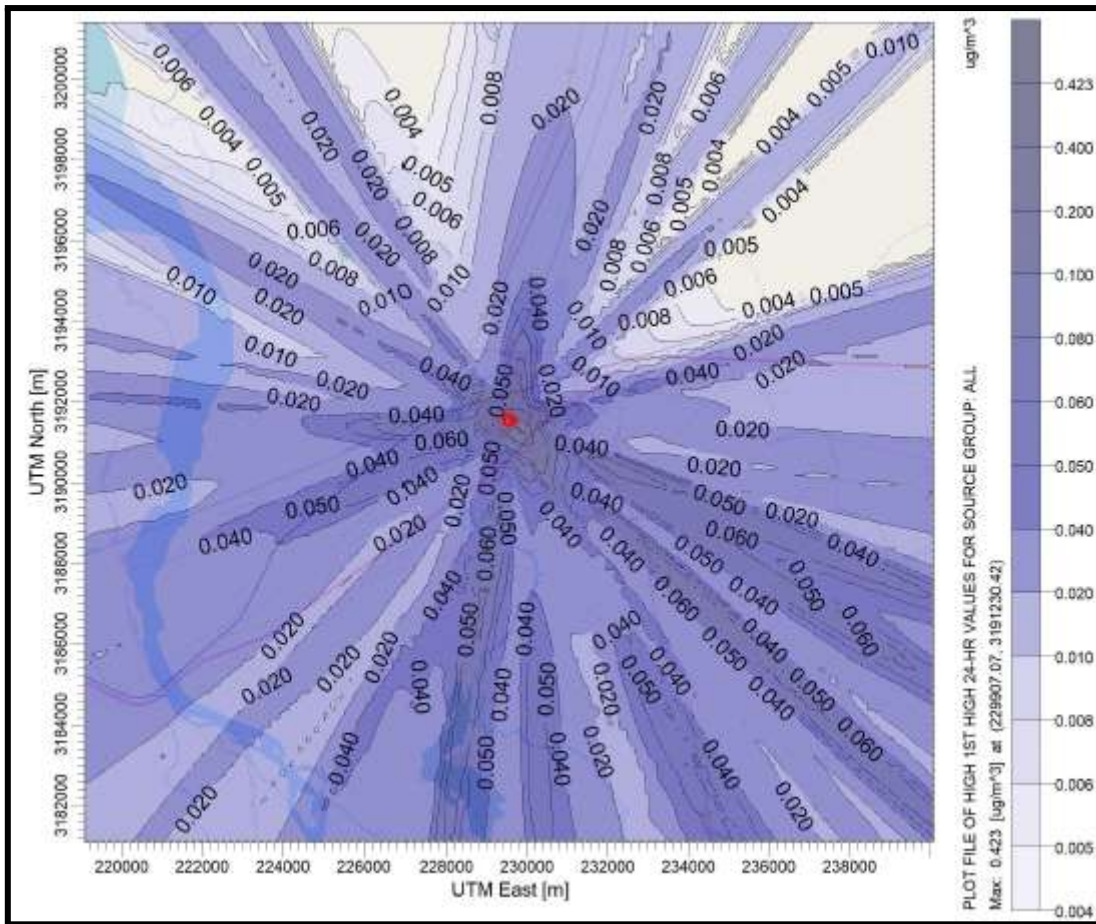


Figure 3. a): Predicted incremental isopleths of maximum GLC- 0.423  $\mu\text{g}/\text{m}^3$  (PM10 dispersion) and maximum GLC is at the distance of 350 m from the project site in ESE direction

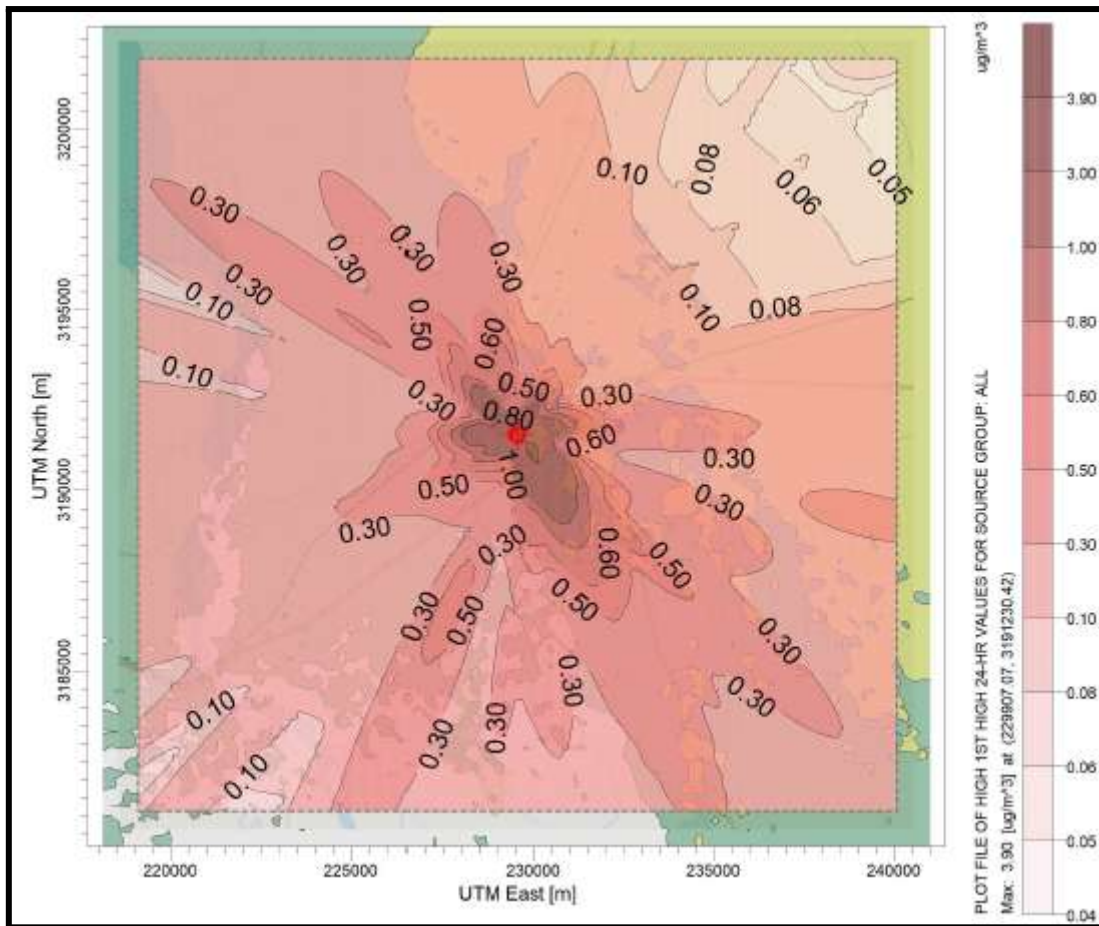


Figure 4. a): Predicted incremental isopleths of maximum GLC- 3.90  $\mu\text{g}/\text{m}^3$  with( $\text{NO}_x$  dispersion) and maximum GLC is at the distance of 350 m from the project site in ESE direction

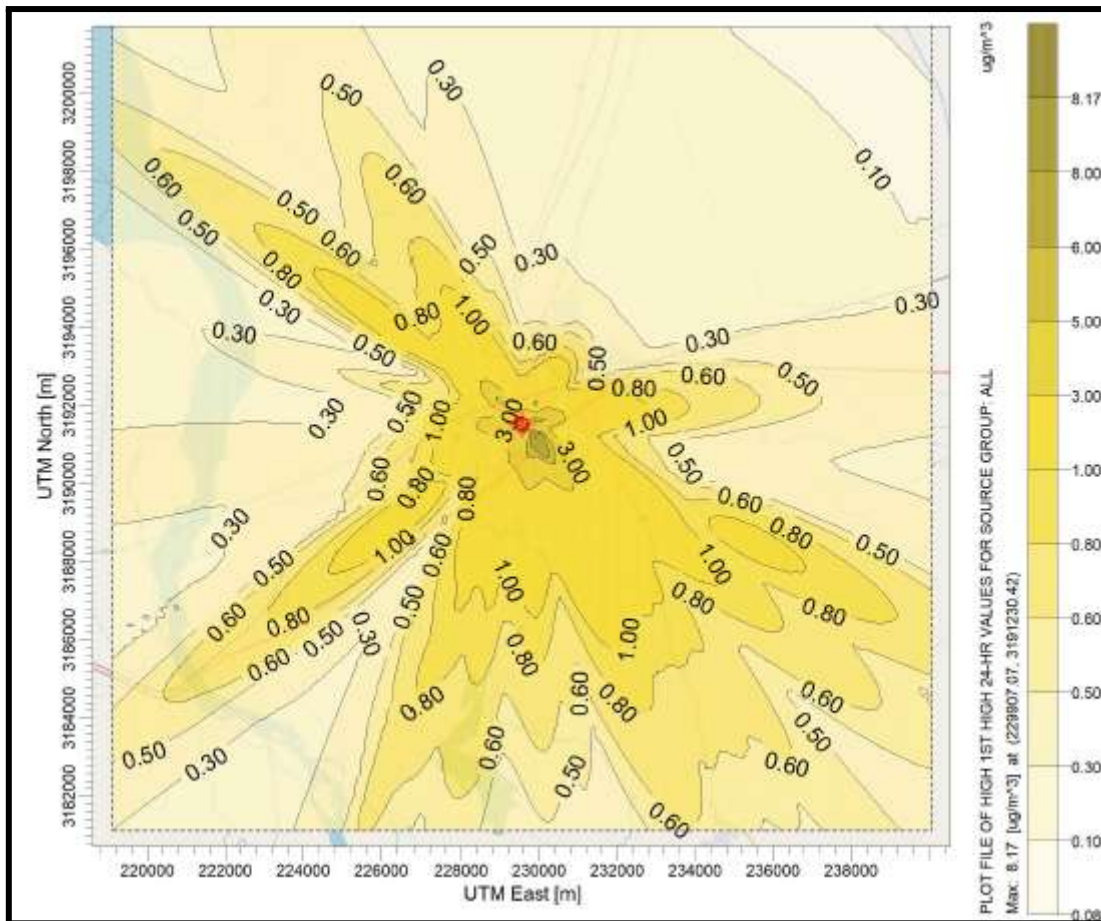


Figure 5. a): Predicted incremental isopleths of maximum GLC -8.17 µg/m<sup>3</sup> (SO<sub>2</sub> dispersion) and maximum GLC is at the distance of 350 m from the project site in ESE direction

## 2.6. RESULT AND DISCUSSIONS

### 2.6.1. PREDICTED AMBIENT AIR QUALITY FOR IMPACT OF PM<sub>2.5</sub>

With available ambient air quality data and incremental concentrations computed through mathematical modelling the following post project ambient air quality has been predicted. The maximum GLC for PM<sub>2.5</sub> modeling will be 0.305 µg/m<sup>3</sup>

Table 8. Village wise impact of PM2.5 Dispersion

Location	Background Concentration PM2.5 ( $\mu\text{g}/\text{m}^3$ )	Predicted Incremental Concentration PM2.5 ( $\mu\text{g}/\text{m}^3$ )	Post Project Air Quality PM2.5 ( $\mu\text{g}/\text{m}^3$ )	NAAQS ( $\mu\text{g}/\text{m}^3$ )
A1 -W	130.65	0.305	130.96	60
A2-E	58.9	0.305	59.21	
Naipura	124.3	0.03	124.33	

### 2.6.2. PREDICTED AMBIENT AIR QUALITY FOR IMPACT OF PM10

With available ambient air quality data and incremental concentrations computed through mathematical modelling the following post project ambient air quality has been predicted. The maximum GLC for PM<sub>10</sub> modeling will be 0.423  $\mu\text{g}/\text{m}^3$

Table 9. Village wise impact of PM10 Dispersion

Location	Background Concentration PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Predicted Incremental Concentration PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Post Project Air Quality PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	NAAQS ( $\mu\text{g}/\text{m}^3$ )
A1 -W	171.2	0.423	171.62	100
A2-E	123.25	0.423	123.67	
Naipura	217.6	0.05	217.65	

### 2.6.3. PREDICTED AMBIENT AIR QUALITY FOR IMPACT OF NO<sub>x</sub>

With available ambient air quality data and incremental concentrations computed through mathematical modelling (Gaussian Plume) the following post project ambient air quality has been predicted. The maximum GLC for NO<sub>x</sub> modeling will be 3.90  $\mu\text{g}/\text{m}^3$ .

Table 10. Village wise impact of NO2 Dispersion

Location	Background Concentration NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	Predicted Incremental Concentration NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	Post Project Air Quality NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	NAAQS ( $\mu\text{g}/\text{m}^3$ )
A1 -W	44.9	3.90	48.80	80
A2-E	32.4	3.90	36.30	

Naipura	34.8	0.6	35.40	
---------	------	-----	-------	--

#### 2.6.4. PREDICTED AMBIENT AIR QUALITY FOR IMPACT OF SO<sub>2</sub>

With available ambient air quality data and incremental concentrations computed through mathematical modelling (Gaussian Plume) the following post project ambient air quality has been predicted. The maximum GLC for SO<sub>2</sub> modeling will be 8.17 µg/m<sup>3</sup>

Table 11. Village wise impact of SO<sub>2</sub> Dispersion

Location	Background Concentration SO <sub>2</sub> (µg/m <sup>3</sup> )	Predicted Incremental Concentration SO <sub>2</sub> (µg/m <sup>3</sup> )	Post Project Air Quality SO <sub>2</sub> (µg/m <sup>3</sup> )	NAAQS (µg/m <sup>3</sup> )
A1 -W	10.8	8.17	18.97	80
A2-E	9.25	8.17	17.42	
Naipura	10.7	1.00	11.70	

#### 2.7. DATA INTERPRETATION

The emission sources are broadly categorized as point, line and area sources, covering and vehicular sources respectively. However, for the present study, air pollution inventORIZATION was only developed for point and line sources to establish the contribution of project site and vehicular pollution to the regional burden of air pollution. ([Banerjee et al. 2011](#)).

The ambient air quality standards and one hourly GLC values to run AERMOD for different hours of the day have been used for calculating average 24 hourly GLC of the day. It is evident from the table above that the maximum predicted increase in GLC of PM<sub>10</sub> and PM<sub>2.5</sub> due to emission from the stack is 0.423 µg/m<sup>3</sup> and 0.305 µg/m<sup>3</sup> respectively. Maximum predicted increase of SO<sub>2</sub> is found to be 8.17 µg/m<sup>3</sup> and NO<sub>x</sub> is found to be 3.90 µg/m<sup>3</sup>. From the results generated by AERMOD in the form of Isopleth and results of same in table above show that the post-project air quality for PM<sub>10</sub>, PM<sub>2.5</sub> is higher than the National Ambient Air Quality Standard, for SO<sub>2</sub> & NO<sub>2</sub> is within the limits as per the Ambient Air Quality standard at core and buffer zone. The maximum GLC does not have a significant impact on environment/ ambient air

quality on sensitive receptors of the project. Appropriate Measures will be identified and proper installation of air control devices will be done to control the source and impact of air pollution.

### **3. REFERENCES**

1. Banerjee, T., S. C. Barman, and R. K. Srivastava. 2011. "Application of Air Pollution Dispersion Modeling for Source-Contribution Assessment and Model Performance Evaluation at Integrated Industrial Estate-Pantnagar." *Environmental Pollution* 159 (4): 865–75.
2. Epa, U. S., and OAR. 2016. "Air Quality Dispersion Modeling - Preferred and Recommended Models," November. <https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models>.

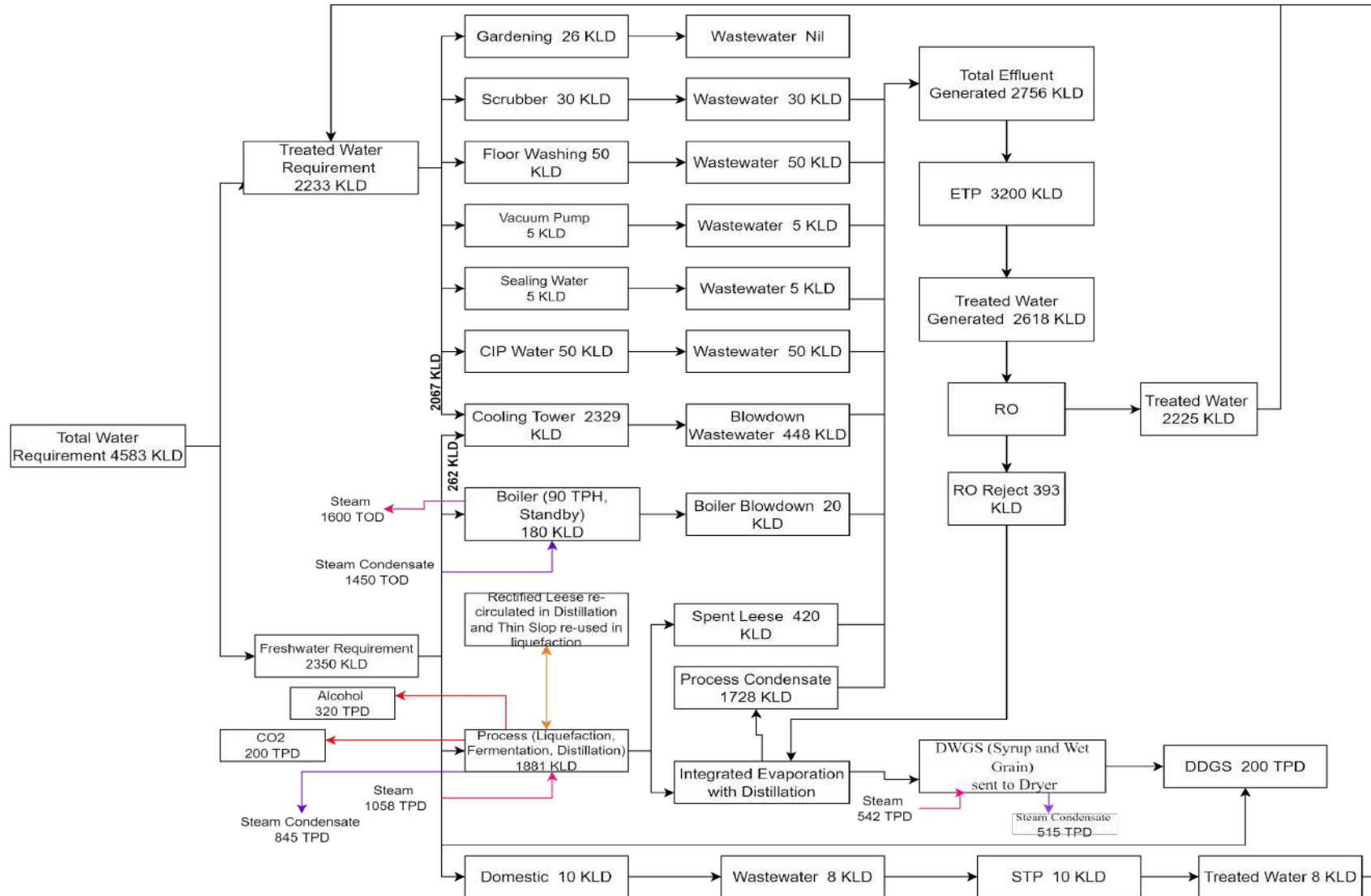
## **Annexure 4**

Water Balance as recommended by the technology supplier  
(OEM)

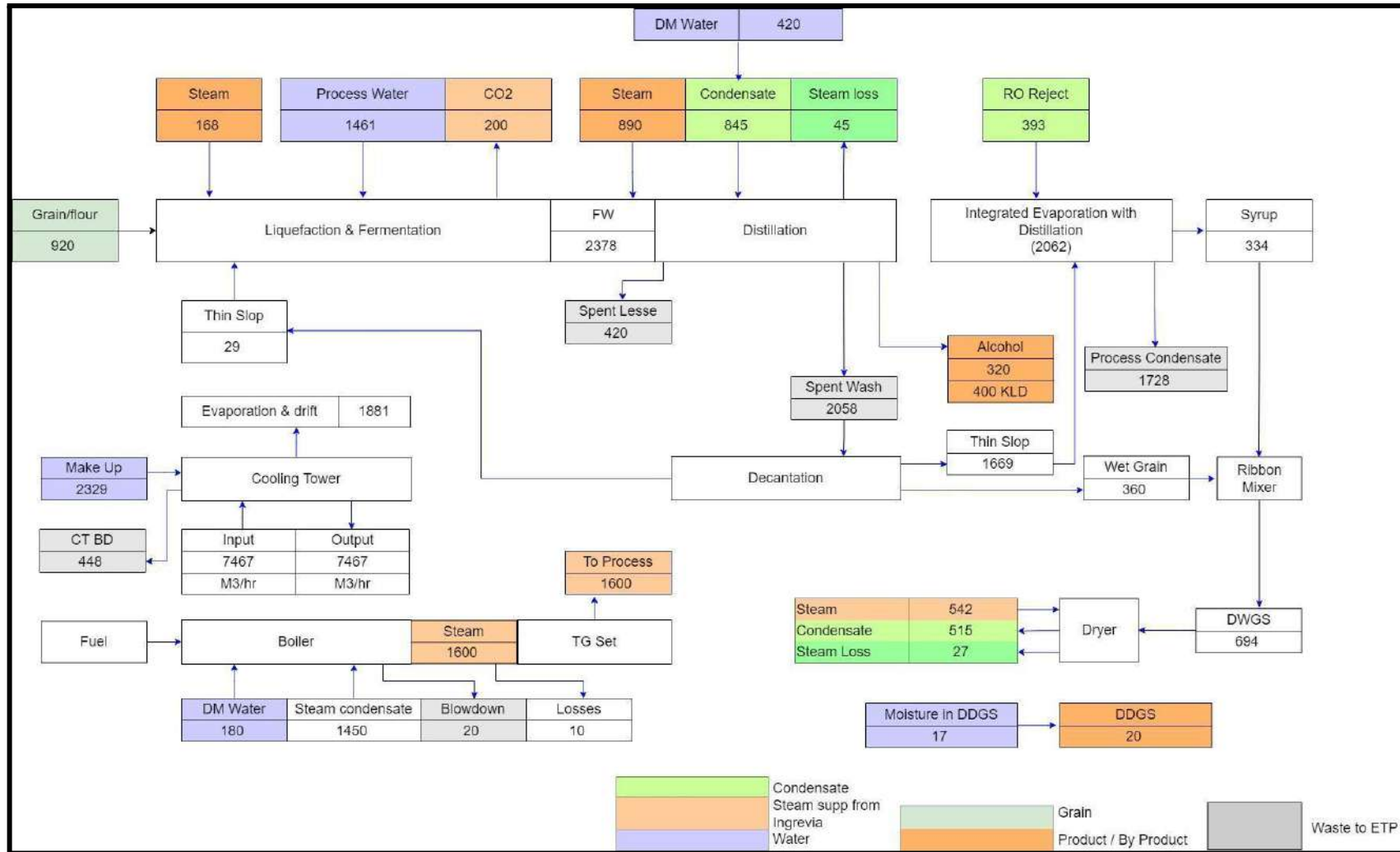
**Water management as recommended by the technology supplier (OEM)**

<b>Sr. No.</b>	<b>Description</b>	<b>Total Water Consumption (KLD)</b>	<b>Fresh Water Consumption (KLD)</b>	<b>Treated Water Consumption (KLD)</b>	<b>Waste Water Discharge (KLD)</b>
1	Liquefaction & Fermentation	1,461	1,461	0	0
2	Distillation	420	420	0	420
3	Integrated Evaporation with Distillation	0	0	0	1,728
4	Vacuum pump	5	0	5	5
5	Cooling tower make up	2,329	262	2067	448
6	Other Domestic uses	10	10	0	8
7	Gardening	26	0	26	0
8	CIP water	50	0	50	50
9	Floor Washing	50	0	50	50
10	Sealing water	5	0	5	5
11	Moisture in DDGS	17	17	0	0
12	Scrubber	30	0	30	30
13	Boiler	180	180	0	20
	<b>Total</b>	<b>4,583</b>	<b>2,350</b>	<b>2233</b>	<b>2764</b>

**Water balance as recommended by the technology supplier (OEM) is given below:**



**Annexure 5**  
Material Balance



\*All above figures are in Metric Tons (MT)

\*Figures given above are only indicative and shall vary based on grain characteristics & overall plant operating parameters

### **Annexure 6**

Undertaking/ Commitment that no litigation/Court case is pending against the parent company, ash shall be utilised in brick manufacturing unit within the premises & no tree will be cut in the existing site.



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Uttar Pradesh

Signature: *[Signature]*  
ACC Name - Vinest Aggenval ACC Code-UP14014904  
ACC Add - Noida Mobile - 9571381500  
License No. - 181/2020, Tehsil & Distric-G.B. Nagar

₹100

e-Stamp

₹100 ₹100 ₹100 ₹100

Certificate No.	: IN-UP91404912263945U
Certificate Issued Date	: 17-May-2022 11:00 AM
Account Reference	: NEWIMPACC (SV)/ up14014904/ GAUTAMBUDDH NAGAR 1/ U
	: GBN
Unique Doc. Reference	: SUBIN-UPUP1401490474080398686678U
Purchased by	: JUBILANT AGRO SCIENCE LIMITED
Description of Document	: Article 19 Certificate or other Document
Property Description	: Not Applicable
Consideration Price (Rs.)	:
First Party	: JUBILANT AGRO SCIENCE LIMITED
Second Party	: Not Applicable
Stamp Duty Paid By	: JUBILANT AGRO SCIENCE LIMITED
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

सत्यमेव जयते



₹100

Please write or type below this line

IN-UP91404912263945U

**Undertaking**

I, Anil Khubchandani, S/o Mr. Shri Ram Chandra K K, authorised signatory & director of Jubilant Agro Sciences Limited ("Company"), for project "Proposed Green Field Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of Government of India" located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh, do hereby solemnly affirm and declare as under:

**Statutory Alert:**

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.




- a. That, as on date, no litigation/Court Cases related to Environment are pending against Jubilant Ingrevia Limited ("Parent Company")'s units located at Bhartiagram, Gajraula.
- b. That flyash brick manufacturing facility is being installed by the Company, jointly with the Parent Company, within the premises of the Parent Company, and which shall be utilised in brick manufacturing including for in-house construction and also to promote utilization of Flyash in brick making.
- c. That transplantation of trees shall be done as far as possible and avoid any cutting of fully grown trees.
- d. That in case of any unavoidable tree cutting required, necessary permission from DFO shall be taken and compensatory plantation shall be undertaken as per relevant rules applicable.



(Deponent)

**Verification**

Verified at Noida on 25 / 05 / 2022. That the contents of Para's a, b, c & d of the above affidavit are true and correct to my knowledge and belief and no material fact has been concealed there from.



(Deponent)



**ATTESTED**

**M.V. SINGH**  
Advocate Notary  
G.D. Nagar NCR

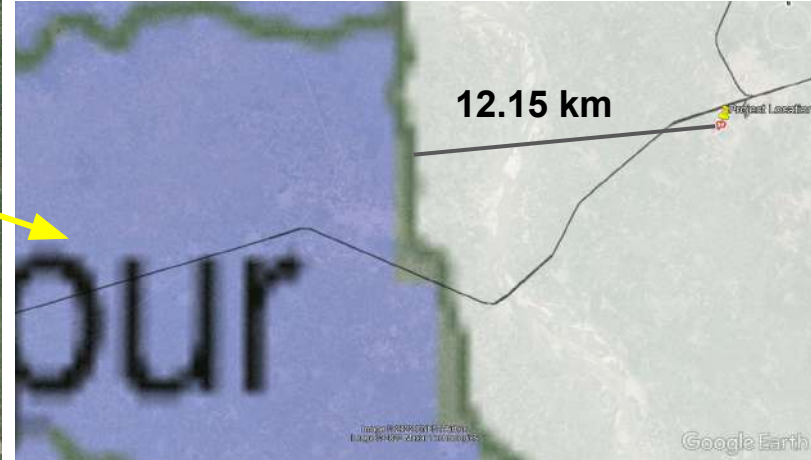
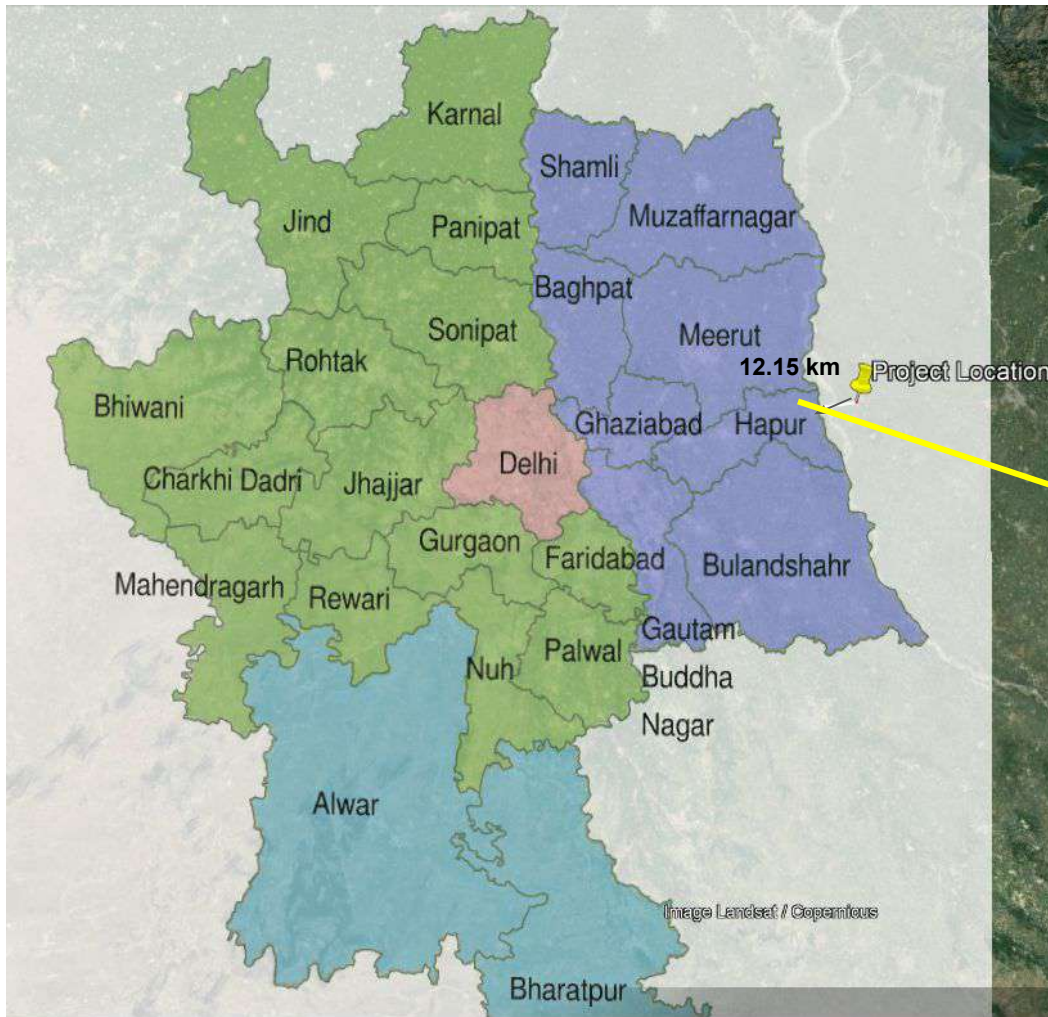
**26 MAY 2022**

**Annexure 7**  
Revised CER with Budget

**Details of Revised CER with Budget**

<b>S. No</b>	<b>Brief Description of CER Project</b>	<b>Village</b>	<b>Budget (Rs. Lakhs) Year 1</b>	<b>Budget (Rs. Lakhs) Year 2</b>
1	Community Sewage treatment plant	Gajraula	35	55
2	Rainwater Harvesting for ground water conservation	Naipura	15	25
3	Drip irrigation for ground water conservation	Tigariya,Chaubara, Chhoya	7	10
4	Biomass fuel bricketing promoting to prevent agri waste burning	Fajalpur, Majhola, Sadallupur,Shahbajpur Dor	5	10
5	Promoting Fly Ash brick utilization for top soil conservation	Gajraula	10	15
6	Solar irrigation pump for energy and water conservation	Baseli, Shahbajpur, Baseli, Katai, Mureedpur	7	15
7	Community Solid Waste source segregation for recycling and reduced disposal to landfill	Gajraula	4	7
8	Chemical tanker cleaning system with effluent management facility for local entrepreneur	Gajraula	10	20
Sub total			93	157
Total			Rs 250 Lakhs	

**Annexure 8**  
Distance of Delhi-NCR boundary from the project site



**Annexure 9**  
**Plan for Utilisation of ETP Sludge**

**Plan for utilisation of ETP Sludge**

<b>Waste</b>	<b>Unit</b>	<b>Quantity of generation</b>	<b>Treatment/Disposal</b>
ETP Sludge	TPA	10000	<ul style="list-style-type: none"><li>• Use inhouse for green belt</li><li>• Sell to farmers as Organic manure/FCO .</li></ul>

## **Annexure 10**

Receipt of Conservation Plan submitted to DFO Amroha vide  
letter dated 03.05.2022 for its approval

e/c



JASL/ENV/2022/008

Dated:03-05-2022

To  
The Divisional Forest Officer  
Forest Department Office  
Amroha  
Uttar Pradesh, 244221

**Subject:** Approval of the conservation plan for Schedule-I, fauna falling in the Buffer zone of the Project "Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI" located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh by M/s Jubilant Agro Sciences Limited (Formerly Known as Jubilant Crop Protection Limited)

Dear Sir,

This is in reference to the Project "Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI" located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh by M/s Jubilant Agro Sciences Limited (Formerly Known as Jubilant Crop Protection Limited). **The project falls under Activity 5(ga) as Grain based distillery unit as per Environment Impact Assessment notification 14.09.2006 and its subsequent amendments. As per clause 4 (iia) of the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006- Schedule 5 (ga), Category B2, wherein for "all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC)."**

We have prepared a conservation plan for 14 Schedule-I species i.e. *Antelope cervicapra cervicapra*, *Canis lupus pallipes*, *Crocodylus palustris*, *Gavialis gangeticus*, *Lissemys punctata*, *Manis crassicaudata*, *Melanochelys tricarinata*, *Melursus ursinus*, *Nilssonina gangetica*, *Panthera pardus*, *Pavo cristatus*, *Prionailurus bengalensis*, *Python molurus* & *Varanus bengalensis* found as per survey conducted in the study area of 10 km from the project

A Jubilant Ingrevia Company

OUR VALUES



**Jubilant Agro Sciences Limited**  
(formerly Jubilant Crop Protection Limited)  
Plot No. A4/2, UPSIDC Industrial Area,  
Bhartiagram, Gajraula,  
Distt. Amroha - 244 223, UP, India  
Tel: +91 5924 267437-38

**Regd & Corporate Office:**  
I-A, Sector 16-A,  
Noida-201 301, UP, India  
Tel: +91 120 4361000  
Fax: +91 120 4234895-96  
CIN: U24100UP2021PLC146803



**JUBILANT**  
**AGROSCIENCES**

site. The conservation plan including the allocation of the funds for the implementation of the same is enclosed. We request you for approval of the plan.

We shall be thankful if approval is given to us.

Thanking You,

**M/s Jubilant Agro Sciences Limited**

**(Formerly Known as Jubilant Crop Protection Limited),**

**(Authorised Signatory)**

**Attached- Conservation plan of Schedule-I species**

**A Jubilant Ingrevia Company**

OUR VALUES



**Jubilant Agro Sciences Limited**  
(Formerly Jubilant Crop Protection Limited)  
Plot No. A4/2, UPSIDC Industrial Area,  
Bhartiagram, Gajraula,  
Distt. Amroha - 244 223, UP, India  
Tel: +91 5924 267437-38

**Regd & Corporate Office:**  
I-A, Sector 16-A,  
Noida-201 301, UP, India  
Tel: +91 120 4361000  
Fax: +91 120 4234895-96  
CIN: U24100UP2021PLC146803

## **Annexure 10(A)**

Receipt of the reminder letter submitted to DFO Amroha vide letter dated 23.05.2022 for approval of Conservation Plan



जाबजकी  
मसाला नो  
24/5/22

JASL/ENV/2022/015

कार्यालय

May 23, 2022

To  
The Divisional Forest Officer  
Forest Department Office  
Amroha  
Uttar Pradesh, 244221

उत्तरीय वन विभाग  
अमरोहा नगर कार्यालय  
अमरोहा

**Subject:** Approval of the conservation plan for Schedule-I, fauna falling in the Buffer zone of the Project **“Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI”** located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh by M/s Jubilant Agro Sciences Limited (Formerly Known as Jubilant Crop Protection Limited)

- Reference:** 1. Our letter NO. JASL/ENV/2022/008 dated 03.05.2022  
 2. MOM of 06th Meeting of The Expert Appraisal Committee, MoEFCC held on 19.05.2022

Dear Sir,

This has reference to our request letter for approval of the conservation plan for Schedule-I, fauna falling in the Buffer zone of the Project **“Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI”** which is submitted vide our letter no JASL/ENV/2022/008 dated 03.05.2022, acknowledgement copy attached as **Annexure-1**.

Further, hearing of our application for Environmental Clearance of Proposed Greenfield Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI was held at MoEF&CC on 19.05.2022. A copy of the MoM of the EAC meeting is attached as **Annexure-2**.

A Jubilant Ingrevia Company

OUR VALUES



Jubilant Agro Sciences Limited  
(Formerly Jubilant Crop Protection Limited)  
Plot No. A4/2, UPSIDC Industrial Area,  
Bhartiagram, Gajraula,  
Distt. Amroha - 244 223, UP, India  
Tel: +91 5924267437/38

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I-A, Sector 16-A,  
Noida-201 301, UP, India  
Tel: +91 120 4361000  
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CIN: U24100UP2021PLC146803



Kindly refer to the MoM of the EAC, MoEF&CC in the last page. The EAC has deferred the appraisal of the project, seeking additional information about "*Status of approval of Wild Life Conservation plan from DFO*". In this regards, we request your good office to kindly issue us as letter of approval of conservation plan as submitted vide our letter JASL/ENV/2022/008 dated 03.05.2022.

Request you for expeditious action to facilitate grant of Environment Clearance for this project of National importance.

**Yours faithfully**  
**For Jubilant Agro Sciences Limited**

**Anil Khubchandani**  
**Director**

**Encl: As Above**

A Jubilant Ingrevia Company

OUR VALUES



FUTURE  
CONFIDENCE



AGRICULTURE  
STRONG



SUSTAINABLE  
PROGRESS



EXCELLENT  
QUALITY

**Jubilant Agro Sciences Limited**  
(Formerly Jubilant Crop Protection Limited)  
Plot No. AM/2, UPSIDC Industrial Area,  
Bhatlagan, Gurgaon,  
Distt. Anand - 244 223, Haryana  
Tel: +91 5924 257437-38

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Noida-201 301, UP India  
Tel: +91 120 4361000  
Fax: +91 120 4234895-96  
CIN: U94100UP2021PLC146803

## **Annexure 10(B)**

Receipt of the letter submitted to Chief Conservator of Forest,  
Meerut Bareilly for approval of Conservation Plan pursuant  
to MOM of the 6th meeting of the EIA vide letter dated  
27.05.2022



etc

JASL/ENV/2022/018

May 27, 2022

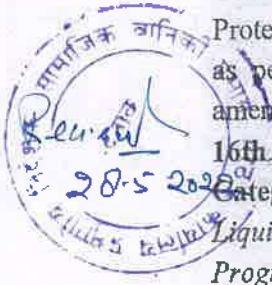
To,  
The Conservator of Forest  
Civil Lines,  
Meerut -250001

**Subject:** Approval of the conservation plan for Schedule-I, fauna falling in the Buffer zone of the Project "Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI" located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh by M/s Jubilant Agro Sciences Limited (Formerly Known as Jubilant Crop Protection Limited)

- Reference:**
1. Our letter NO. JASL/ENV/2022/008 dated 03.05.2022 to DFO, Amroha (Annaexure-1)
  2. Our letter NO. JASL/ENV/2022/015 dated 23.05.2022 to DFO, Amroha ((Annaexure-2)
  3. MOM of 06th Meeting of the Expert Appraisal Committee, held on 19.05.2022 (Annaexure-3)

Dear Sir,

This is in reference to the Project "Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI" located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh by M/s Jubilant Agro Sciences Limited (Formerly Known as Jubilant Crop Protection Limited). The project falls under Activity 5(ga) as Grain based distillery unit as per Environment Impact Assessment notification 14.09.2006 and its subsequent amendments. As per clause 4 (iiia) of the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006- Schedule 5 (ga), Category B2, wherein for "all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC)."



A Jubilant Ingrevia Company

OUR VALUES



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Page 1 of 2

We have prepared a conservation plan for 14 Schedule-I species i.e. *Antelope cervicapra cervicapra*, *Canis lupus pallipes*, *Crocodylus palustris*, *Gavialis gangeticus*, *Lissemys punctata*, *Manis crassicaudata*, *Melanochelys tricarinata*, *Melursus ursinus*, *Nilssonia gangetica*, *Panthera pardus*, *Pavo cristatus*, *Prionailurus bengalensis*, *Python molurus* & *Varanus bengalensis* found as per survey conducted in the study area of 10 km from the project site. The conservation plan including the allocation of the funds for the implementation of the same is enclosed. We request you for approval of the plan.

We shall be thankful if approval is given to us.

**Thanking You,**

**Yours faithfully**

**For Jubilant Agro Sciences Limited**



**Anil Khubchandani**

**Director**

**Attached-** Conservation plan of Schedule-I species

## **Annexure 10(C)**

Letter by Chief Conservator of Forest, Meerut dated 31.05.2022 referring/Delegating the request for approval of Conservation plan for necessary action to DFO, Amroha

## कार्यालय वन संरक्षक/क्षेत्रीय निदेशक, सामाजिक वानिकी, मेरठ क्षेत्र, मेरठ

(223/1 सिविल लाइन मेरठ-250001)

पत्रांक 4527 / 14-1 दिनांक, मेरठ 31, मई, 2022

सेवा में,

जूबिलेन्ट एग्रो साइंस लि०  
प्लॉट न० ए४/२,  
यू०पी०एस०आई०डी०सी० इण्डस्ट्रीयल एरिया,  
भारतीयग्राम गजरौला,  
जिला अमरोहा-244223

विषय:- Approval of the conservation plan for Schedule-1, fauna falling in the Buffer zone of the Project "Proposed Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GOI" located at Plot A4/2, UPSIDC Industrial Area, Village Bhartiagram, Tehsil Gajraula, District Amroha, Uttar Pradesh by M/s Jubilant Agro Sciences Limited (Formerly known as Jubilant Crop Protection Limited)

संदर्भ:- आपका पत्रांक JASL/ENV/2022/018, दिनांक 27.05.2022।

महोदय,

आपके द्वारा भारत सरकार के इथेनॉल मिश्रित पेट्रोल (ईबीपी) कार्यक्रम के तहत, 400 केएलडी क्षमता की अनाज आधारित डिस्टिलरी यूनिट यूपीएसआईडीसी औद्योगिक क्षेत्र स्थित प्लॉट संख्या-ए४/२, ग्राम भरतियाग्राम प्लॉट तहसील गजरौला, जिला अमरोहा, उत्तर प्रदेश में प्रस्तावित है, जिसका प्रस्ताव इस कार्यालय को प्रेषित किया गया है, जबकि उक्त प्रस्ताव पर कार्यवाही प्रभागीय वनाधिकारी, अमरोहा एवं वन संरक्षक मुरादाबाद के कार्यालय से की जानी है। अतः आपके द्वारा प्रेषित प्रस्ताव मूल में संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किया जा रहा है।

संलग्नक-उपरोक्तानुसार।

भवदीय

(गंगा प्रसाद)

वन संरक्षक/क्षेत्रीय निदेशक,  
सामाजिक वानिकी मेरठ क्षेत्र, मेरठ।

पत्रांक / दिनांकित।

1-प्रतिलिपि वन संरक्षक, मुरादाबाद, वृत्त मुरादाबाद सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।  
2-प्रतिलिपि प्रभागीय वनाधिकारी अमरोहा वन प्रभाग अमरोहा को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

(गंगा प्रसाद)

वन संरक्षक/क्षेत्रीय निदेशक,  
सामाजिक वानिकी मेरठ क्षेत्र, मेरठ।

## **Annexure 11**

### **Revised Green Area Details**

## Details of Green Area Development

### Total Plot Area- 66076 sqm

S.No.	Location of the green area proposed	Area proposed in sqm	% Area of proposed project i.e. 66076 sqm	No. of trees required @2500 trees per Ha	No. of trees proposed
1.	Within the project boundary	21,805	33	5451	5451
2.	Outside the unit in the private land owned by the Parent Company M/s Jubilant Ingrevia Limited	4625	7	1157	1159
3.	Gajraula Nagar Palika, Forest Department and Private land within 2 kms radius under action plan for mitigation of Critically Polluted Area.	30,000	45.4	7500	7500
4.	Canals and Nullah side roads jointly with Irrigation department/ Forest Department/ NMCG	20,000	30.3	5000	5000
<b>Total Green Area</b>		<b>76430</b>	<b>115.7</b>	<b>19,108</b>	<b>19,110</b>

- Some of the trees such as *Azadirachta indica* (Neem), *Ficus religiosa* (Peepal), *Eucalyptus*, *Alstonia scholaris* (Devil's tree), *Acacia nilotica* (gum arabic tree) etc. exist at the site.
- The transplantation of trees shall be done as far as possible and avoid any cutting of fully grown trees. In case, any unavoidable tree cutting is required, necessary permission from DFO shall be taken and compensatory plantation shall be undertaken as per relevant rules applicable.
- Shrubs like *Ficus benjamina*, *Cestrum*, *Tuberose*, *Plumeria*, etc. will also be grown at the site.

<b>S.No.</b>	<b>Botanical Name</b>	<b>Common Name</b>	<b>No. of trees to be planted</b>
1.	<i>Azadirachta indica</i>	Neem	3500
2.	<i>Cassia fistula</i>	Amaltas	2400
3.	<i>Dalbergia sissoo</i>	Shisham	2300
4.	<i>Delonix regia</i>	Gulmohar	1760
5.	<i>Saraca asoca</i>	Ashoka tree	1100
6.	<i>Terminalia arjuna</i>	Arjun	1250
7.	<i>Shorea robusta</i>	Sal	1300
8.	<i>Polyalthia longifolia</i>	False Ashoka	2000
9.	<i>Bombax ceiba</i>	Semul	3500
<b>Total</b>			<b>19110</b>

Hence total plantation of 19110 trees will be done by the Project proponent.

**Annexure 12**  
Revised EMP Cost

**Revised EMP Cost (Capital)**

Sr. No.	Particulars	Details	Amount (Rupees in Lacs)
1	Air management	ESP, Bag filters, dry scrubbers, dust suppression system, Dust extraction system, fly ash pneumatic conveying system, fly ash silos, road sweepers, stack height > CPCB norms, OCEMS	1800
2	Solid Waste management	Hazardous waste storage area, Non-hazardous waste storage area, fly ash management system, municipal solid waste management system, organic waste composting machine	150
3	Wastewater management	ETP, STP, RO, MEE, spray dryer	1200
4	Noise pollution control	noise attenuator, anti vibration pads, acoustically treated room/enclosures, noise barricaders	70
5	Landscaping / plantation	19110 trees will be planted as green belt out of which 5451 trees within the site.	250
6	Rain water harvesting	1200 KL capacity rainwater collection tank & pumping system/piping & metering	500
7	CER Activities	As per table given at Annexure 7	250
8	Safety	Fire safety system & workers PPE	300
	<b>Total</b>		<b>4520</b>

**Revised EMP Cost (Recurring)**

Sr. No.	Particulars	Budget in INR Lakhs/year
1	Air management	600
2	Solid Waste management	75
3	Wastewater management	3500
4	Landscaping / plantation	25
5	Noise pollution control	10
6	Rain water harvesting	10
7	Environment monitoring	40
8	Safety	25
	<b>Total</b>	<b>4285</b>

## **Annexure 13**

Measures to be taken to control air pollution from coal storage

**Measures to be taken to control air pollution from coal storage section**

1. Coal procurement through rail
2. Coal storage in covered shed
3. All coal transportation roads with concrete
4. Dust suppression and Extraction system for coal handling, crushing and conveying system
5. Dust suppression using water sprinklers/Mist fogging
6. Adequate green belt along the periphery of the boundary to prevent dust carryover

## **Annexure 14**

Fly Ash management & MOU for Cement and brick manufacturing Unit for its disposal

### Fly Ash Disposal Method & management

Waste	Unit	Quantity of generation	Disposal	Transportation measures
Fly Ash (from Boiler)	TPD	135	<ul style="list-style-type: none"><li>• Use for brick manufacturing</li><li>• Utilization by cement manufacturers.</li></ul>	The transportation of fly ash will be done with bulker trucks / Trucks with tarpaulin covers

Note:

1. Fly Ash brick manufacturing facility is being installed by the company, jointly with the Parent Company M/s Ingrevia Limited, within the premises of the Parent Company, and which shall be utilised in brick manufacturing including for in-house construction and also to promote utilization of Fly Ash in brick making.
2. MoU for utilisation of fly ash in cement manufacturing by Ultra Tech Cement Limited has been made between Jubilant Agro Sciences Limited & Ultra Tech Cement Limited on 27.05.2022.
3. Indian Coal of about 450 MT/Day will be used as fuel in the multi-fueled boiler for Steam generation during disruption/stoppage of steam supply from M/s Jubilant Ingrevia Limited whenever required. Fly ash will be generated when the boiler is operated, as and when required.
4. The Project Proponent proposes to change the source of power from originally proposed Captive Coal based power to Grid Based power, thus reducing the use of coal by 450 MT/Day for power generation & thereby reducing the fly ash generation also



MEMORANDUM OF UNDERSATNDING

**JUBILANT AND UTCL**

This MoU made on 27<sup>th</sup> May 2022 ("Effective Date") by and between:

**JUBILANT AGRO SCIENCES LIMITED** (formerly known as *Jubilant Crop Protection Limited*), a company incorporated under the Companies Act, 2013, bearing CIN no. U24100UP2021PLC146803, having its registered office and corporate office at Plot No. 1 A, Sector 16 A, NOIDA – 201 301, Uttar Pradesh (hereinafter referred to as "Jubilant" which expression shall mean and include its successors and permitted assigns) and

**ULTRA TECH CEMENT LIMITED**, a company incorporated under the Company Act 1956 bearing CIN No. L26940MH2000PLC128420, having its registered office at "B" Wing, 2<sup>nd</sup> Floor, Ahura Centre Mahakali Caves Road, Andheri-E, Mumbai-400093 (hereinafter referred to as "UTCL" which expression shall unless repugnant to the subject or context or contrary to the meaning thereof include its successors and assigns).

(Jubilant and UTCL are hereinafter jointly referred to as "Parties" and/or separately as "Party")

- A. WHEREAS Jubilant is Proposing for installation of a 400 KLD grain distillery at Gajraula, UP scheduled for commissioning in August 2023 and projected to generate about 1,10,000 MT of Flyash from coal used in its boilers/Power plant required to be disposed in compliance to Flyash Management Rules.
- B. WHEREAS UTCL is in the business of manufacture and sale of different types and grades of Cement and other construction materials and has represented to Jubilant that it has the capability to utilize flyash generated from its coal fired boiler in cement manufacturing at their cement clinker grinding units at Sikanderabad (U.P.), Dadri (U.P.), Aligarh (U.P.), Panipat (Haryana), Roorkee (Uttarakhand) & Solan (H.P.) (hereinafter referred as "Facilities").

MoU: Jubilant-UTCL

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Page 1 of 3

A Jubilant Ingrevia Company

OUR VALUES



**Jubilant Agro Sciences Limited**  
(formerly Jubilant Crop Protection Limited)  
Plot No. A4/2, UPSIDC Industrial Area,  
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Distt. Amroha - 244 223, UR India  
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I-A, Sector 16-A,  
Noida-201 301, UR India  
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- C. Various discussions were held between the duly authorized representatives of Jubilant and UTCL, which discussions have culminated in certain agreed terms and conditions and to these terms and conditions both the parties are agreed and are desirous of recording the same into this agreement.

This MoU is being entered for the above-mentioned purpose, for which a definitive agreement shall be entered atleast 30 days prior to the commissioning of the proposed Grain distillery.

*The following are the proposed terms.*

1. Transaction	Jubilant proposes to sell fly ash to be generated from its proposed Plant to UTCL and UTCL proposes to purchase, transport, handle and utilize fly ash generated at its Facilities.
2. Consideration	The commercial terms and conditions mutually agreed for the supply of fly ash will be contain in the definitive Agreement and the same shall be decided by both the parties based on the prevailing market rates before commissioning of the plant.
3. Representation and Warranties:	Jubilant would offer upto 1,10,000 MTPA of flyash and UTCL has expressed interest in buying the offered quantity as the quantity is in line with the growth/expansion plans of UTCL capacity.
4. Milestone Dates	Signing Definitive Agreement: minimum 30 days prior to commissioning of Grain distillery project.
5. Costs and Expenses:	Jubilant and UTCL will bear their own costs and expenses with respect to the Transaction, including, without limitation, the costs and expenses of legal counsel and other advisers in relation to the negotiation, preparation, execution and implementation of this Non-Binding Term Sheet and the discussions and negotiations about the Definitive Agreement.

MoU

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Page 2 of 3

A Jubilant Ingrevia Company

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**Jubilant Agro Sciences Limited**  
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<p>6. Term and Termination of Definitive Agreements</p>	<p>The term of Definitive Agreement would be for a minimum period of 1 year, which may be extended by mutual agreement of the Parties. The Definitive Agreement may be terminated as under:</p> <p>1. Either Party shall be entitled to terminate the Definitive Agreement immediately upon written notice to the other Party:</p> <p>A. Force Majeure;</p> <p>B. Thirty (30) days following written notice of a material breach of the Agreement by and at the option of the suffering Party if such breach remains uncured;</p> <p>C. Bankruptcy/insolvency;</p> <p>D. Thirty (30) days written notice by Jubilant &amp; UTCL without cause.</p>
---	--

IN WITNESS WHEREOF, the parties have signed this MoU through their authorized representatives, with effect from the Effective Date, on the respective dates stated below.

For Jubilant Agro Sciences Limited

ULTRATECH CEMENT LIMITED  
For Ultra Tech Cement Works

By: \_\_\_\_\_

By: \_\_\_\_\_  
Authorised Signatory

Name: Anil Khulechandani

Name: Natayan Prabhakar JOSHI

Title: Co-CEO & Whole Time Director

Title: Unit Head - Sikandrabad Cement works

Place: Noida

Place: Sikandrabad

Date: 31/05/2022

Date: 30/05/2022

Witnesses:

1. AMIT CHAUDHRY  
Amit Chaudhry

1. Sunnyoyal  
Sunnyoyal

2.

2.

MoU

Confidential

Page 3 of 3

A Jubilant Ingrevia Company

OUR VALUES

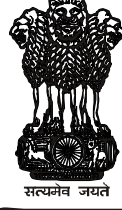


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## **Annexure 15 (A)**

MoEF&CC notification S.O. 4890(E) dated 19 September  
2018 showing actual boundary with GPS position of  
Hastinapur Wildlife Sanctuary



# भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 3723]

नई दिल्ली, बुधवार, सितम्बर 19, 2018/भाद्र 28, 1940

No. 3723]

NEW DELHI, WEDNESDAY, SEPTEMBER 19, 2018/BHADRA 28, 1940

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 18 सितम्बर, 2018

**का.आ. 4890(अ).**—प्रारूप अधिसूचना भारत के राजपत्र असाधारण भारत सरकार के पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय की अधिसूचना सं. का.आ. 505 (अ), तारीख 2 फरवरी, 2018 द्वारा प्रकाशित की गई थी जिसमें ऐसे सभी व्यक्तियों से, जिनकी उससे प्रभावित होने की संभावना थी, उस तारीख से, जिसको उक्त अधिसूचना को अन्तर्विष्ट करने वाले राजपत्र की प्रतियां जनता को उपलब्ध करा दी गई थीं, साठ दिन की अवधि के भीतर आक्षेप और सुझाव आमंत्रित किए गए थे;

**और**, उक्त प्रारूप अधिसूचना के प्रत्युत्तर में व्यक्तियों और पणधारियों से कोई आक्षेप/सुझाव प्राप्त नहीं हुए हैं;

**और**, हस्तिनापुर वन्यजीव अभयारण्य उत्तर प्रदेश के मुजफ्फरनगर, मेरठ, हापुड़, बिजनौर और अमरोहा के पांच जिलों में स्थित है। हस्तिनापुर वन्यजीव अभयारण्य 2073 वर्ग किलोमीटर के क्षेत्र में फैला हुआ है जबकि प्रस्तावित पारिस्थितिकी संवेदी जोन का क्षेत्र 239.41 वर्ग किलोमीटर है;

**और**, हस्तिनापुर वन्यजीव अभयारण्य में वन्यजीव जीवजंतु की अच्छी विविधता है जिसमें स्तनधारियों की 41 प्रजातियां, पक्षियों की 373 प्रजातियां, सरीसृपों की 36 प्रजातियां; उभयचरों की 10 प्रजातियां और मछलियों की 79 प्रजातियां सम्मिलित हैं। अभयारण्य स्मॉथ-कोअटेड ओट्टर (लुटरोगले पेरस्पिकिल्लाटा), डाल्फिन (पलाटानिस्टा गंगेटीका), स्वाम्प डीयर (रूकेरवुस दुवाउकेली), तेंदुआ (पैंथेरा पार्डस), काला हिरन (अंटीलोपे केरविकपरा), भारतीय काला कछुआ (मेलानोचेल्स टरीजुगा), ब्लैक पोंड कछुआ (गैओकलेम्यस हमिलटोनि), करोवनेड रिवर कछुआ (हरदेल्ला थुरजी), ब्राउन रौफेड कछुआ (पंगजहुरा स्मिथि), इंडियन रौफेड कछुआ (पंगसहुरा टेकटा), इंडियन टेंट कछुआ (पंगसहुरा टेंटोरिया), श्री-स्टरीपेड रौफेड कछुआ (बटगुर धोंगोका), रेड-करोवनेड रौफेड कछुआ (बटगुर कचुगा), इंडियन फलाप सैल्ल कछुआ

**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE**

**NOTIFICATION**

New Delhi, the 18th September, 2018

**S.O. 4890(E).**—WHEREAS.- a draft notification was published in the Gazette of India, Extraordinary, vide notification of the Government of the India in the Ministry of Environment, Forest and Climate Change number S.O. 505(E) dated 2<sup>nd</sup> February, 2018, inviting objections and suggestions from all persons likely to be affected thereby within the period of sixty days from date on which copies of the Gazette containing the said notification were made available to the public;

**AND WHEREAS**, no comments/objections and suggestions received from persons and stakeholders in response to the draft notification;

**AND WHEREAS**, The Hastinapur Wildlife Sanctuary is located in five districts-Muzaffarnagar, Meerut, Hapur, Bijnor and Amroha of Uttar Pradesh. It spreads in an area of **2073 sq. km.** while the area of the proposed Eco-sensitive zone is **239.41 sq km;**

**AND WHEREAS**, The Hastinapur Wildlife Sanctuary holds good diversity of wildlife fauna which includes 41 species of Mammals, 373 species of Birds, 36 species of Reptiles, 10 species of Amphibians and 79 species of Fishes. The sanctuary is the important habitat of Smooth-coated otter (*Lutrogale perspicillata*), Dolphin (*Platanista gangetica*), Swamp Deer (*Rucervus duvaucelii*), leopard (*Panthera pardus*), Blackbuck (*Antelope cervicapra*), Indian black turtle (*Melanochelys trijuga*), Black pond turtle (*Geoclemys hamiltonii*), Crowned river turtle (*Hardella thurjii*), Brown roofed turtle (*Pangshura smithii*), Indian roofed turtle (*Pangshura tecta*), Indian tent turtle (*Pangshura tentoria*), Three-striped roofed turtle (*Batagur dhongoka*), Red-crowned roofed turtle (*Batagur kachuga*), Indian flap shell turtle (*Lissemys punctate*), Indian soft-shell turtle (*Nilssonina gangetica*), Indian peacock soft-shell turtle (*Nilssonina hurum*), Indian narrow-headed soft-shell turtle (*Chitra indica*), Gharial (*Gavialis gangeticus*), Mugger (*Crocodylus palustris*), Sarus Crane (*Grus Antigone*), River Tern (*Sterna aurantia*), Egyptian Vulture (*Neophron percnopterus*), Darter (*Anhinga melanogaster*), Black-headed Ibis (*Threskiornis melanocephalus*), Painted Stork (*Mycteria leucocephala*), Indian Skimmer (*Rynchops albicollis*), Black-bellied Tern (*Sterna acuticauda*), Shikra (*Accipiter badius*), Golden mahseer (*Tor puitora*), Jamunaailia (*Ailichthys punctata*) etc.

**AND WHEREAS**, More than 280 plant species are reported from the Hastinapur Wildlife Sanctuary out of which 81 are the species of medicinal plants. important flora recorded from the sanctuary are Sita Ashoka (*Saraca asoca*), Indian Sandalwood (*Santalum album*), Arjuna (*Terminalia arjuna*), Mango (*Mangifera indica*), Kadamb-Burflower Tree (*Neolamarckia cadamba*), Katsagon (*Haplophragma adenophyllum*), Khair (*Senegalia catechu*), Pakhad (*Ficus lacor*), Pilkhan (*Ficus rumphii*), Banyan (*Ficus benghalensis*), Baheda (*Terminalia bellerica*) Seesham – Indian Rosewood (*Dalbergia sissoo*), Teak (*Tectona grandis*), Chirchita (*Achyranthes aspera*) etc.

**AND WHEREAS**, it is necessary to conserve and protect the area the extent and boundaries of which is specified in paragraph 1 of this notification around the protected area of Hastinapur Wildlife Sanctuary, as Eco-sensitive zone from ecological, environmental and biodiversity point of view and to prohibit industries or class of industries and their operations and processes in the said Eco-sensitive Zone.

**NOW, THEREFORE**, in exercise of the powers conferred by sub-section (1) and clauses (v) and (xiv) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) read with sub rule (3) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby notifies the area up to one kilometre from the boundary of the protected area of Hastinapur Wildlife Sanctuary in the state of Uttar Pradesh (as shown in the map annexed to the notification as Annexure A), as the Eco-sensitive Zone (herein after called as the Eco-sensitive Zone), namely:-

- 1. Extent and boundaries of Eco-sensitive Zone.-** (1) The said Eco-Sensitive Zone is situated between the area up to **one kilometre** all around the boundary of Hastinapur Wildlife Sanctuary that is falling in the Meerut, Hapur, Muzaffarnagar, Bijnor and Amroha district of Uttar Pradesh. The area of Eco-sensitive Zone is **239.41 square kilometres.**
- (2) The boundary description of Hastinapur Wildlife Sanctuary and its Eco-sensitive Zone is given in **Annexure-I.**
- (3) The map of Hastinapur Wildlife Sanctuary along with the Geo-coordinates of protected area and its Eco-sensitive Zone is given at **Annexure-IIA & B.**
- (4) The Geo-coordinates of Hastinapur Wildlife Sanctuary and its Eco-sensitive Zone is given in **Annexure-III.**
- (5) The list of the villages falling within one kilometre distance of the boundary of Hastinapur Wildlife Sanctuary in the Eco-Sensitive Zone is appended as **Annexure-IV.**

**2. Zonal Master Plan for Eco-sensitive Zone.-**

- (1) The State Government shall, for the purpose of the Eco-sensitive Zone prepare, a Zonal Master Plan, within a period of two years from the date of publication of this notification in the Official Gazette, in consultation with local people and adhering to the stipulations given in this notification for approval of the Competent authority of State.
- (2) The Zonal Master Plan for the Eco-sensitive Zone shall be prepared by the State Government in such manner as is specified in this notification and also in consonance with the relevant Central and State laws and the guidelines issued by the Central Government, if any.
- (3) The Zonal Master Plan shall be prepared in consultation with the following State Departments, for integrating the ecological and environmental considerations into the said plan, namely:-
  - (i) Environment;
  - (ii) Forest and Wildlife;
  - (iii) Agriculture;
  - (iv) Revenue;
  - (v) Urban Development;
  - (vi) Tourism;
  - (vii) Rural Development;
  - (viii) Irrigation and Flood Control;
  - (ix) Municipal ;
  - (x) Panchayati Raj ; and
  - (xi) Public Works Department.
- (4) The Zonal Master Plan shall not impose any restriction on the approved existing land use, infrastructure and activities, unless so specified in this notification and the Zonal Master Plan shall factor in improvement of all infrastructure and activities to be more efficient and eco-friendly.
- (5) The Zonal Master Plan shall provide for restoration of denuded areas, conservation of existing water bodies, management of catchment areas, watershed management, groundwater management, soil and moisture conservation, needs of local community and such other aspects of the ecology and environment that need attention.
- (6) The Zonal Master Plan shall demarcate all the existing worshipping places, villages and urban settlements, types and kinds of forests, agricultural areas, fertile lands, green area, such as, parks and like places, horticultural areas, orchards, lakes and other water bodies and also with supporting maps. The Plan shall be supported by Maps giving details of existing and proposed land use features.
- (7) The Zonal Master Plan shall regulate development in Eco-sensitive Zone and adhere to prohibited, regulated activities listed in the Table in paragraph 4 and also ensure and promote eco-friendly development for livelihood security of local communities.
- (8) The Zonal Master Plan shall be co-terminus with the Regional Development Plan.
- (9) The said Master Plan shall regulate development in Eco-sensitive Zone so as to ensure eco-friendly development for livelihood security of local communities.
- (10) The Zonal Master Plan so approved shall be the reference document for the Monitoring Committee for carrying out its functions of monitoring in accordance with the provisions of this notification.

**3. Measures to be taken by the State Government -** The State Government shall take the following measures for giving effect to the provisions of this notification, namely:-

- (1) **Land use.** –(a) Forests, horticulture areas, agricultural areas, parks and open spaces earmarked for recreational purposes in the Eco-sensitive Zone shall not be used or converted into areas for major commercial or major residential complex or industrial activities;

Provided that the conversion of agricultural and other lands, for the purpose other than that specified at part (a), within the Eco-sensitive Zone may be permitted on the recommendation of the Monitoring Committee, and with the prior approval of the competent authority under Regional Town Planning Act and other rules and regulations of Central/State

Government as applicable and vide provisions of this Notification, to meet the residential needs of the local residents such as:-

- (i) Widening and strengthening of existing roads and construction of new roads;
- (ii) Construction and renovation of infrastructure and civic amenities;
- (iii) Small scale industries not causing pollution;
- (iv) Cottage industries including village industries; convenience stores and local amenities supporting eco-tourism including home stay; and
- (v) Promoted activities and given under para 4:

Provided further that no use of tribal land shall be permitted for commercial and industrial development activities without the prior approval of the competent authority under Regional Town Planning Act and other rules and regulations of State Government and without compliance of the provisions of article 244 of the Constitution or the law for the time being in force, including the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (2 of 2007);

Provided further that any error appearing in the land records within the Eco-sensitive Zone shall be corrected by the State Government, after obtaining the views of Monitoring Committee, once in each case and the correction of said error shall be intimated to the Central Government in the Ministry of Environment, Forest and Climate Change;

Provided further that the above correction of error shall not include change of land use in any case except as provided under this sub-paragraph;

(b) Efforts shall be made to reforest the unused or unproductive agricultural areas with afforestation and habitat restoration activities;

**(2) Natural water bodies.**-The catchment areas of all natural springs shall be identified and plans for their conservation and rejuvenation shall be incorporated in the Zonal Master Plan and the guidelines shall be drawn up by the State Government in such a manner as to prohibit development activities at or near these areas which are detrimental to such areas.

**(3) Tourism/ Eco-tourism** (a) All new eco-tourism activities or expansion of existing tourism activities within the Eco-Sensitive Zone shall be as per the Tourism Master Plan for the Eco-sensitive Zone.

(b) The Eco-Tourism Master Plan shall be prepared by Department of Tourism in consultation with State Departments of Environment and Forests.

(c) The Tourism Master Plan shall form a component of the Zonal Master Plan.

(d) The activities of eco-tourism shall be regulated as under, namely:-

- (i) No new construction of hotels and resorts shall be allowed within one kilometer from the boundary of the Wildlife Sanctuary or upto the extent of the ESZ whichever is nearer. However, beyond the distance of one kilometer from the boundary of the Wildlife Sanctuary till the extent of the Eco-sensitive Zone, the establishment of new hotels and resorts shall be allowed only in pre-defined and designated areas for Eco-tourism facilities as per Tourism Master Plan.
- (ii) All new tourism activities or expansion of existing tourism activities within the Eco-sensitive Zone shall be in accordance with the guidelines issued by the Central Government in the Ministry of Environment, Forest and Climate Change and the eco-tourism guidelines issued by National Tiger Conservation Authority (as amended from time to time) with emphasis on eco-tourism.
- (iii) Until the Zonal Master Plan is approved, development for tourism and expansion of existing tourism activities shall be permitted by the concerned regulatory authorities based on the actual site specific scrutiny and recommendation of the Monitoring Committee and no new hotel /resort or commercial establishment construction is permitted within Eco-Sensitive Zone area.

**(4) Natural heritage.**- All sites of valuable natural heritage in the Eco-sensitive Zone, such as the gene pool reserve areas, rock formations, waterfalls, springs, gorges, groves, caves, points, walks, rides, cliffs, etc. shall be identified and a heritage conservation plan shall be drawn up for their preservation and conservation as a part of the Zonal Master Plan.

**(5) Man-made heritage sites.**- Buildings, structures, artefacts, areas and precincts of historical, architectural, aesthetic, and cultural significance shall be identified in the Eco-sensitive Zone and heritage conservation plan for their conservation shall be prepared as part of the Zonal Master Plan.

**(6) Noise pollution.** -Prevention and Control of noise pollution in the Eco-sensitive Zone shall be complied with in accordance with Noise Pollution (Regulation and Control) Rules, 2000 under the Environment (Protection) Act, 1986.

(7) **Air pollution.**- Prevention and control of air pollution in the Eco-sensitive Zone shall be complied with in accordance with the provisions of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981).

(8) **Discharge of effluents.** - Discharge of treated effluent in Eco-sensitive Zone shall be in accordance with the provisions of the General Standards for Discharge of Environmental Pollutants covered under the Environmental (Protection) Act, 1986 and rules made thereunder or standards stipulated by State Government whichever is more stringent.

(9) **Solid wastes.** -Disposal and Management of solid wastes shall be as under:-

- (a) The solid waste disposal and management in the Eco-sensitive Zone shall be carried out in accordance with the Solid Waste Management Rules, 2016 and published by the Government of India in the Ministry of Environment, Forest and Climate Change vide notification number S.O. 1357 (E), dated the 8<sup>th</sup> April, 2016; the inorganic material may be disposed in an environmental acceptable manner at site identified outside the Eco-sensitive Zone.
- (b) Safe and Environmentally Sound Management (ESM) of Solid wastes in conformity with the existing rules and regulations using identified technologies may be allowed within Eco-Sensitive Zone.

(10) **Bio-medical waste.** – Bio medical waste management shall be as under:-

- (a) The bio-medical waste disposal in the Eco-sensitive Zone shall be carried out in accordance with the Bio-Medical Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change vide Notification number GSR 343 (E), dated the 28<sup>th</sup> March, 2016.
- (b) Safe and Environmentally Sound Management (ESM) of Bio-medical wastes in conformity with the existing rules and regulations using identified technologies may be allowed within Eco-Sensitive Zone.

(11) **Plastic Waste Management.** - The Plastic Waste Management in the Eco-sensitive Zone shall be carried out as per the provisions of the Plastic Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change vide notification number G.S.R. 340(E), dated the 18<sup>th</sup> March, 2016.

(12) **Construction and Demolition Waste Management.** - The Construction and Demolition Waste Management in the Eco-sensitive Zone shall be carried out as per the provisions of the Construction and Demolition Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change vide notification number G.S.R. 317(E), dated the 29<sup>th</sup> March, 2016.

(13) **E-waste.** -The E- Waste Management in the Eco-sensitive Zone shall be carried out as per the provisions of the E-Waste Management Rules, 2016 published by the Government of India in the Ministry of Environment, Forest and Climate Change.

(14) **Vehicular traffic.** – The vehicular movement of traffic shall be regulated in a habitat friendly manner and specific provisions in this regard shall be incorporated in the Zonal Master Plan and till such time as the Zonal Master plan is prepared and approved by the Competent Authority in the State Government, the Monitoring Committee shall monitor compliance of vehicular movement under the relevant Acts and the rules and regulations made thereunder.

(15) **Vehicular Pollution.** - Prevention and control of Vehicular Pollution shall be complied with in accordance with applicable laws. Efforts to be made for use of cleaner fuel for example CNG, LPG, etc.

(16) **Industrial Units.** –(i) On or after the publication of this notification in the Official Gazette, no new polluting industries shall be allowed to be set up within the Eco-sensitive Zone.

(ii) Only non-polluting industries shall be allowed within ESZ as per classification of Industries in the guidelines issued by the Central Pollution Control Board in February 2016, unless so specified in this notification. In addition, non-polluting cottage industries shall be promoted.

(17) **Protection of Hill Slopes.** - The protection of hill slopes shall be as under:-

- (a) The Zonal Master Plan shall indicate areas on hill slopes where no construction shall be permitted.
- (b) No construction on existing steep hill slopes or slopes with a high degree of erosion shall be permitted.

4. **List of activities prohibited or to be regulated within the Eco-sensitive Zone.**- All activities in the Eco sensitive Zone shall be governed by the provisions of the Environment (Protection) Act, 1986 (29 of 1986) and the rules made there under including the Coastal Regulation Zone (CRZ), 2011 and the Environmental Impact Assessment (EIA) Notification, 2006 and other applicable laws including the Forest (Conservation) Act, 1980 (69 of 1980), the Indian Forest Act, 1927 (16 of 1927), the Wildlife (Protection) Act 1972 (53 of 1972), and be regulated in the manner specified in the Table below, namely:-

TABLE

Sl. No	Activity	Description
(1)	(2)	(3)
<b>A. Prohibited Activities</b>		
1.	Commercial mining, stone quarrying and crushing units.	(a) All new and existing (minor and major minerals), stone quarrying and crushing units are prohibited with immediate effect except for meeting the domestic needs of bona fide local residents including digging of earth for construction or repair of houses and for manufacture of country tiles or bricks for housing and for Personal consumption . (b) The mining operations shall be carried out in accordance with the order of the Hon'ble Supreme Court dated the 04 <sup>th</sup> August, 2006 in the matter of T.N. Godavarman Thirumulpad Vs. in Writ petition (civil) No.202 of 1995 and dated the 21 <sup>st</sup> April, 2014 in the matter of Goa Foundation Vs. In Writ petition (civil) No.435 of 2012.
2.	Setting of industries causing Pollution (Water, Air, Soil, Noise, etc.).	No new industries and expansion of existing polluting industries in the Eco-sensitive zone shall be permitted. Only non-polluting industries shall be allowed within ESZ as per classification of Industries in the Guidelines issued by Central Pollution Control Board in February 2016, unless so specified in this notification. In addition, non-polluting cottage industries shall be promoted.
3.	Establishment of major hydroelectric project.	Prohibited (except as otherwise provided) as per applicable laws.
4.	Use or production or processing of any hazardous substances.	Prohibited (except as otherwise provided) as per applicable laws.
5.	Discharge of untreated effluents in natural water bodies or land area.	Prohibited (except as otherwise provided) as per applicable laws.
6.	Setting of new saw mills.	No new or expansion of existing saw mills shall be permitted within the Eco-sensitive Zone.
7.	Setting up of brick kilns.	Prohibited (except as otherwise provided) as per applicable laws.
<b>B. Regulated Activities</b>		
8.	Commercial establishment of hotels and resorts.	No new commercial hotels and resorts shall be permitted within one kilometer of the boundary of the Protected Area or up to the extent of Eco-sensitive zone, whichever is nearer, except for small temporary structures for Eco-tourism activities. Provided that, beyond one kilometer from the boundary of the protected Area or upto the extent of Eco-sensitive zone whichever is nearer, all new tourist activities or expansion of existing activities shall be in conformity with the Tourism Master Plan and guidelines as applicable.
9.	Construction activities.	(a) No new commercial construction of any kind shall be permitted within one Kilometer from the boundary of the Protected Area or upto extent of the Eco-sensitive Zone whichever is nearer: Provided that, local people shall be permitted to undertake construction in their land for their use including the activities listed in sub paragraph (1) of paragraph 3 as per building byelaws to meet the residential needs of the local residents such as: (i) Widening and strengthening of existing roads and construction of new roads; (ii) Construction and renovation of infrastructure and civic amenities;

		<p>(iii) Small scale industries not causing pollution termed as per Classification done by Central Pollution Control Board of February 2016;</p> <p>(iv) Cottage industries including village industries; convenience stores and local amenities supporting eco-tourism including homestays; and</p> <p>(v) Promoted activities listed in this Notification: Provided farther the construction activity related to small scale industries not causing pollution shall be regulated and kept at the minimum, with the prior permission from the competent authority as per applicable rules and regulations, if any.</p> <p>(b) Beyond one kilometer it shall be regulated as per the Zonal Master Plan.</p>
10.	Small scale non-polluting industries.	Non-polluting industries as per classification of industries issued by the Central Pollution Control Board in February 2016 and non-hazardous, small-scale and service industry, agriculture, floriculture, horticulture or agro-based industry producing products from indigenous materials from the Eco-sensitive Zone shall be permitted by the competent Authority.
11.	Felling of Trees.	<p>(a) There shall be no felling of trees on the forest or Government or revenue or private lands without prior permission of the competent authority in the State Government.</p> <p>(b) The felling of trees shall be regulated in accordance with the provisions of the concerned Central or State Act and the rules made there under.</p>
12.	Collection of Forest produce or Non-Timber Forest Produce (NTFP).	Regulated as per applicable laws.
13.	Erection of electrical and communication towers and laying of cables and other infrastructures.	Regulated as per applicable law. Underground cabling may be promoted.
14.	Infrastructure including civic amenities.	Shall be done with mitigation measures, as per applicable laws, rules and regulation and available guidelines.
15.	Widening and strengthening of existing roads and construction of new roads.	Shall be done with mitigation measures, as per applicable laws, rules and regulation and available guidelines.
16.	Undertaking other activities related to tourism like over flying the Eco-Sensitive Zone area by hot air balloon, helicopter, drones, Microlites, etc.	Regulated as per applicable law.
17.	Protection of Hill Slopes and river banks.	Regulated as per applicable laws.
18.	Movement of vehicular traffic at night.	Regulated for commercial purpose as per applicable laws.
19.	Establishment of large-scale commercial livestock and poultry farms by firms, corporate and companies.	Regulated as per applicable laws .
20.	Discharge of treated waste water/effluents in natural water bodies or land area.	The discharge of treated waste water/effluents shall be avoided to enter into the water bodies. Efforts to be made for recycle and reuse of treated waste water. Otherwise the discharge of treated waste water/effluent shall be regulated as per applicable laws.

21.	Fencing of existing premises of hotels and lodges.	Regulated as per applicable laws. In order to allow free movement of wildlife, hotels or other commercial establishments within the Eco-sensitive Zone shall not fence their properties with barbed wire and no fence shall be higher than one meter. Any existing fence not complying with this stipulation shall be modified as per the time lines mentioned in the Zonal Master Plan.
22.	Commercial extraction of surface and ground water.	Regulated as per applicable law.
23.	Open Well, Bore Well etc. for agriculture or other usage.	Regulated and the activity should be strictly monitored by the appropriate authority.
24.	Solid Waste Management.	Regulated as per applicable laws.
25.	Introduction of Exotic species.	Regulated as per applicable laws.
26.	Eco-tourism	Regulated as per applicable laws
27.	Use of polythene bags.	Use of polythene bags are permitted within the Eco Sensitive Zone. However, based on specific requirement, it shall be regulated under applicable laws.
28.	Commercial Sign boards and hoardings.	Regulated as per applicable laws.
29.	Trekking and camping.	Regulated as per applicable laws.
30.	Community Reserve Nature.	Regulated as per applicable laws.
<b>C. Promoted Activities</b>		
31.	Ongoing agriculture and horticulture practices by local communities along with dairies, dairy farming, aquaculture and fisheries.	Permitted as per applicable laws for use of locals.
32.	Rain water harvesting.	Shall be actively promoted.
33.	Organic farming.	Shall be actively promoted.
34.	Adoption of green technology for all activities.	Shall be actively promoted.
35.	Cottage industries including village artisans, etc.	Shall be actively promoted.
36.	Use of renewable energy and fuels	Bio gas, solar light etc. to be actively promoted
37.	Agro-Forestry.	Shall be actively promoted.
38.	Plantation of Horticulture and Herbals.	Shall be actively promoted.
39.	Use of eco-friendly transport.	Shall be actively promoted.
40.	Skill Development.	Shall be actively promoted.
41.	Restoration of Degraded Land/ Forests/ Habitat.	Shall be actively promoted.
42.	Environmental Awareness.	Shall be actively promoted.

- 5. Monitoring Committee:-**The Central Government constitutes a Monitoring Committee, for effective monitoring of the provisions of this Notification under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 comprising of the following, namely: -

1.	Commissioner Meerut Zone	Chairman;
2.	Senior Superintendent of Police, Meerut	Member;
3.	One representative of a Non-Governmental Organization (NGO) working in the field of environment (including heritage conservation) to be nominated by the State Government.	Member;
4.	One Expert in Ecology	Member;
5.	One Expert in Biodiversity	Member;
6.	Executive Engineer of PWD, Meerut	Member;
7.	Executive Engineer of Irrigation Department, Meerut	Member;
8.	Wildlife Warden, Agra Meerut Region Meerut	Member;
9.	Regional Office, Uttar Pradesh State Pollution Control Board, District Meerut	Member;
10.	Divisional Director, Social Forestry Division, Meerut	Member Secretary.

#### 6. Terms of Reference. –

- (1) The Monitoring Committee shall monitor the compliance of the provisions of this notification.
- (2) The tenure of the Monitoring committee shall be for three years or till the re-constitution of the new Committee by the State Government and subsequently the Monitoring Committee would be constituted by the State Government.
- (3) The activities that are covered in the Schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533 (E), dated the 14<sup>th</sup> September, 2006, and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the Table under paragraph 4 thereof, shall be scrutinized by the Monitoring Committee based on the actual site-specific conditions and referred to the Central Government in the Ministry of Environment, Forest and Climate Change for prior environmental clearances under the provisions of the said notification.
- (4) The activities that are not covered in the Schedule to the notification of the Government of India in the erstwhile Ministry of Environment, Forest and Climate Change number S.O. 1533 (E), dated the 14<sup>th</sup> September, 2006 and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the Table under paragraph 4 thereof, shall be scrutinized by the Monitoring Committee based on the actual site-specific conditions and referred to the concerned regulatory authorities.
- (5) The Member Secretary of the Monitoring Committee or the concerned Deputy Commissioner(s) shall be competent to file complaints under section 19 of the Environment (Protection) Act, 1986 against any person who contravenes the provisions of this notification.
- (6) The Monitoring Committee may invite representatives or experts from concerned Departments, representatives from industry associations or concerned stakeholders to assist in its deliberations depending on the requirements on issue to issue basis.
- (7) The Monitoring Committee shall submit the annual action taken report of its activities as on the 31<sup>st</sup> March of every year by the 30<sup>th</sup> June of that year to the Chief Wildlife Warden in the State as per proforma given in Annexure V.
- (8) The Central Government in the Ministry of Environment, Forest and Climate Change may give such directions, as it deems fit, to the Monitoring Committee for effective discharge of its functions.

**7. Additional Measure.**-The Central Government and State Government may specify additional measures, if any, for giving effect to provisions of this notification.

**8. Orders of Supreme Court.-** The provisions of this notification are subject to the orders, if any passed or to be passed by the Hon'ble Supreme Court of India or the High Court or National Green Tribunal.

[F. No. 25/26/2017-ESZ]

Dr. SATISH C. GARKOTI, Scientist 'G'

#### ANNEXURE- I

##### BOUNDARY DESCRIPTION OF ECO-SENSITIVE ZONE OF THE PROTECTED AREA

The boundary of Eco Sensitive Zone of HWLS starts at N29°34'27.03" E77°58'58.16" in the North on the Boundary of District- Muzaffarnagar at Village- Jogawala and moves towards Teep village of Bijnor district in North direction at N29°33'50.42" E78°02'53.87". Then it runs eastward crossing Mandawar- Balalwali road at N29°31'33.73" E78°04'11.03" runs South East crossing chandok- Balawali road at N29°32'38.49" E78°04'53.48", further runs in South East direction crossing Bhojpur - Fajalpur Road at N29°31' 46.05" E78°05'29.45", crossing Bijnor Haridwar road at N29°30'13.86" E78°07'53.36". then crossing Kiratpur- Mandawar road at N29°29'35.20" E78°08'36.96", then it runs in southward direction crossing Malan Nadi at N29°27'22.56" E78°08'31.75", crossing Gajraula Shiv road at N29°26'14.61" E78°08'28.58", runs eastward crossing at Bijnor-Kiratpur road N.H 119 at N29°23'22.19" E78°08'49.56", crossing Bijnor - Nagina Road at N29°23'05.23" E78°09'16.42", crossing Bijnor-Moradabad road in South East direction at N29°21'39.92" E78°08'50.82", crossing Ganj-Haldaur road in southward direction at N29°16'44.83" E78°07'40.68" crossing East Ganga Canal at N29°14'58.43" E78°12'53.06", crossing Chandpur-Nahtaur road at N29°08'56.26" E78°16'35.71", crossing Chandpur-Noorpur road at N29°07'52.75" E78°17'23.13" and crossing Chandpur-Feena road at N29°07'12.45" E78°17'11.80", and reaches Pandheri Sadat Village of Amroha district at N29°01'48.74" E78°16'49.99".

In Amroha District, the boundary of Eco-sensitive zone starts at GPS N29°00'53.68" E78°09'46.32" on Fandedy village border of Bijnor district and runs in North East direction till it reaches Rasulpur village at GPS point N29°00'37.53" E78°09'44.73", then the line continues in East direction till it reaches Chuchela Kalan village with GPS point N28°35'35.41" E78°09'40.74". Then the line runs eastwards till it reaches Ramganga Feeder Canal at GPS point N28°35'24.51" E78°09'38.27". Then the line runs in the South East direction till it reaches Dhanaura Nogavan Marg with GPS point N28°34'58.39" E78°09'21.26". Further the lines runs in the East direction up to near SDM colony with GPS point N28°33'56.50" E78°09'14.22". Then the lines run in the North East direction till it reaches Kumharpura village with GPS point N28°33'39.50" E78°09'07.31". Then the line runs in the South East direction till it reaches Fatehpur Chetra village with GPS N28°32'30.32" E78°08'41.07", then the line continus in South East direction till it reaches Jogipura village at GPS point N28°31'30.81" E78°08'32.22". Then the line runs in the East direction till it reaches Salempur Gosai Village with GPS point N28°30'56.70" E78°08'25.07". Then the line runs in the South East direction till it reaches Khaikheda Village with GPS point N28°30'37.05" E78°08'04.27". Then the line runs in the East direction till it reaches Kumrala Pakka Pul with GPS point N28°30'08.07" E78°07'55.29". Further the line continues in East direction till it reaches Gajrola railway station with GPS point N28°30'06.29" E78°08'42.86". Then the line runs in North East direction till it reaches Alipur chopla with GPS point N28°29'42.96" E78°09'00.64". Then the line runs in South direction till it reaches Alipur chopla Hasanpur road with GPS point N28°29'33.54" E78°08'42.91". Further the line continues in South

East direction till it reaches Nayepura village with GPS point N28°29'26.56" E78°08'27.98". Then the line runs in South direction till it reaches Sultanther village with GPS point N28°28'23.02" E78°07'15.93". Further the line continues in South direction till it reaches Bijora marg with GPS point N28°27'47.05" E78°06'16.25". Then the line runs in West direction till it reaches GPS point N28°27'37.06" E78°05'41.84", zero point in last village Mohammadabad in Amroha District till it reaches border of Hapur district.

In Hapur district, the boundary of Eco-sensitive zone starts at the boundary of district Amroha at N28°41'30.67" E78°8'24.46", then it runs along NH-24 through Alamgirpur, Brijghat, Allahbakhshpur villages then it moves North wards touching Garh-Siyana road crossing Siyana Garh chopla at N28°46'5.10" E78°5'2.16". Then it moves along Garh-Meerut road through left of Garhmukteshwar town at 28°47'3.41" E78°4'9.08". Then it moves in West direction crossing Garh-Meerut road near village Dotai at N28°47'7.31" E78°4'0.21". Then it moves in the North direction touching villages Kalyanpur, Kulpur, Jhadina and reaches at the boundary of Meerut district at Saidpur Regulator at N28°52'09.24" E78°2'04.2"

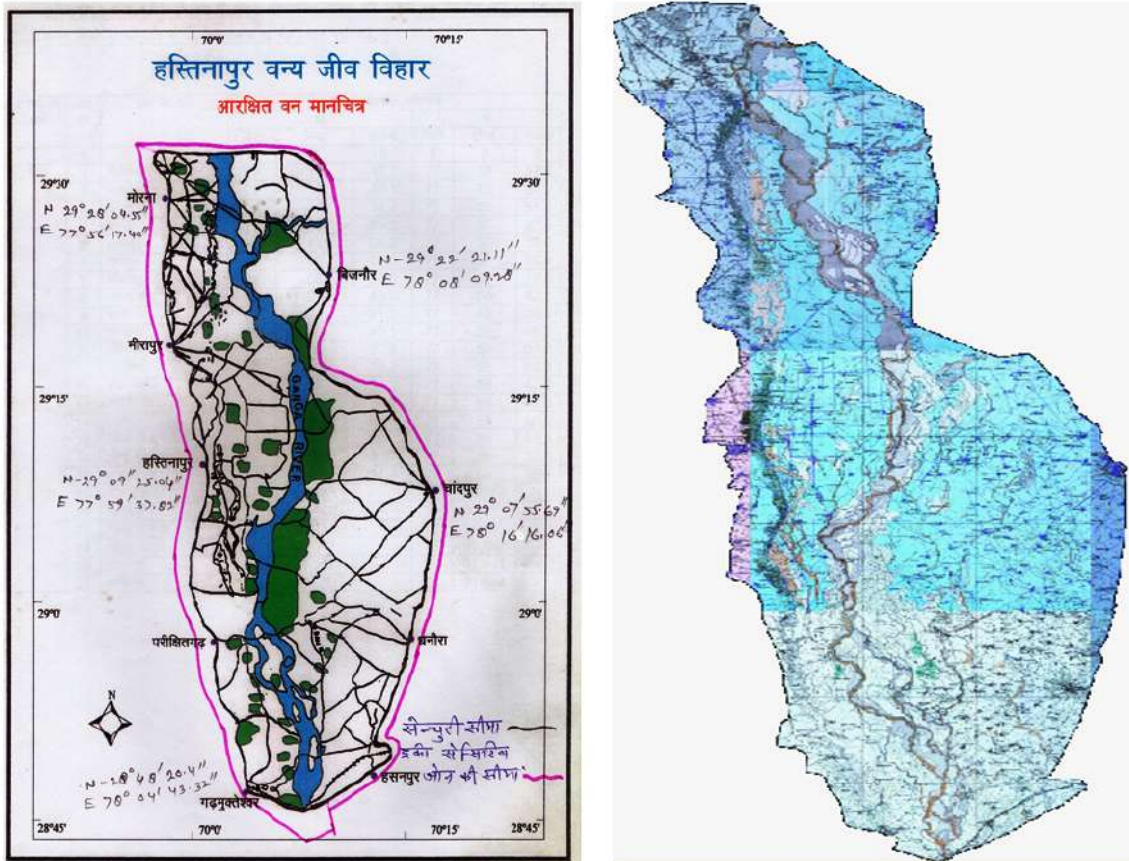
In Meerut district, the boundary of Eco-sensitive Zone starts at N28°52'38.65" E78°1'11.20" then moves North wards crossing villages Asilpur, Agwanpur, Khaikhera crossing the road at N29°2'39.20" E77°58'29.41" then moves North wards crossing village Gajupura crossing Mawana-Chandpur road at N29°5'39.85" E77°58'42.87", then North wards touching villages Dariyapur, Afjalpur and Naipootha and crosses Ganeshpur-Hastinapur road at N29°8'54.73" E77°58'10.94", then moves in North direction touching villages Tajpura, Samaspur & Fatehpur Hansapur and reaches village Mohamadpur Shakist at N29°14'39.89" E77°58'49.32" on the boundary of District Muzaffarnagar.

In Muzaffarnagar district, the boundary of Eco-sensitive Zone Starts at village Hasampura at N29°14'39.89" E77°58'49.32" and moves North wards touching villages Putthi Ibrahimpur and Kithoda, then Crosses Meerut - Pauri Road at N29°17'34.14" E77°56'58.90" then runs North wards touching town Meerapur, Jamalpur Bangar, Sikanderpur, Zadwad, Katiya and Tendeda Sadat villages and crossing Morna Jansath Road at N29°23'38.89" E77°55'12.22". Then it moves North wards touching village Kakrauli then crossing Muzaffarnagar- Joli- Behda Sadat Road at N29°24'40.31" E77°58'48.73", then moves further North touching villages Behda Sadat, Daulatpur & Bhedda Hedi crossing Panipat-Khatima Road at N29°28'07.98" E77°55'39.98", then it moves North touching town Morna and village Athai then it crosses Main Ganga Canal at N29°30'05.42" E77°52'37.72", then it moves North wards crossing villages Belda and Dheeraheri then it crosses Main Ganga Canal at N29°31'25.41" E77°52'45.12", then it moves in North direction touching village Gagwada. Then it Crosses Minor Distributary of Ganga Canal at N29°34'08.07" E77°53' 01.35", then it goes in East direction touching villages Duheli Nangla, Malakpur, Zindawala and Almawala, then it reaches the boundary of District- Muzaffarnagar at Village- Jogawala at N29°34'27.03" E77°58'58.16".



## ANNEXURE- II-B

**MAP SHOWING PA BOUNDARY AND ECO-SENSITIVE ZONE WITH FOREST BLOCKS AND PROMINENT LOCATIONS AND A SURVEY OF INDIA (SOI) TOPOSHEET MAP FOR HASTINAPUR WILDLIFE SANCTUARY (Not to Scale)**



## ANNEXURE-III

**TABLE A: Geo-coordinates of Prominent Locations of Hastinapur Wildlife Sanctuary**

ID	X	Y
1.	78° 6' 5.945" E	29° 34' 36.390" N
2.	78° 8' 38.507" E	29° 33' 1.281" N
3.	78° 8' 35.763" E	29° 30' 10.289" N
4.	78° 8' 34.369" E	29° 27' 30.670" N
5.	78° 8' 51.509" E	29° 24' 34.906" N
6.	78° 8' 59.007" E	29° 21' 55.596" N
7.	78° 7' 47.617" E	29° 19' 8.815" N
8.	78° 8' 22.568" E	29° 16' 29.154" N
9.	78° 11' 7.818" E	29° 15' 13.960" N
10.	78° 13' 37.270" E	29° 14' 6.101" N
11.	78° 15' 10.299" E	29° 11' 33.342" N

12.	78° 16' 30.694" E	29° 8' 58.032" N
13.	78° 17' 6.009" E	29° 6' 13.547" N
14.	78° 16' 58.363" E	29° 3' 11.535" N
15.	78° 16' 38.550" E	29° 0' 10.544" N
16.	78° 16' 1.874" E	28° 57' 17.825" N
17.	78° 15' 19.745" E	28° 54' 21.054" N
18.	78° 14' 19.413" E	28° 51' 29.420" N
19.	78° 15' 28.448" E	28° 49' 30.712" N
20.	78° 13' 6.014" E	29° 47' 38.709" N
21.	78° 10' 33.863" E	28° 45' 58.085" N
22.	78° 7' 49.449" E	28° 44' 59.806" N
23.	78° 4' 57.560" E	28° 46' 0.718" N
24.	78° 3' 43.600" E	28° 48' 17.899" N
25.	78° 2' 37.734" E	28° 51' 5.332" N
26.	78° 1' 11.046" E	28° 53' 37.286" N
27.	78° 0' 49.857" E	28° 56' 35.273" N
28.	77° 59' 56.059" E	28° 59' 29.615" N
29.	77° 58' 30.487" E	29° 1' 50.051" N
30.	77° 58' 36.309" E	29° 4' 44.668" N
31.	77° 58' 30.151" E	29° 7' 26.219" N
32.	77° 57' 53.593" E	29° 10' 12.503" N
33.	77° 57' 58.006" E	29° 12' 54.913" N
34.	77° 58' 47.468" E	29° 15' 38.919" N
35.	77° 57' 0.920" E	29° 17' 46.874" N
36.	77° 57' 57.624" E	29° 20' 35.047" N
37.	77° 56' 24.026" E	29° 23' 3.117" N
38.	77° 55' 49.699" E	29° 25' 6.031" N
39.	77° 55' 41.429" E	29° 28' 0.908" N
40.	77° 53' 38.924" E	29° 30' 4.442" N
41.	77° 53' 11.474" E	29° 32' 3.090" N
42.	77° 53' 14.207" E	29° 34' 48.858" N
43.	77° 55' 5.865" E	29° 37' 8.400" N
44.	77° 58' 4.276" E	29° 37' 10.638" N
45.	78° 0' 37.089" E	29° 35' 56.570" N
46.	78° 3' 29.492" E	29° 36' 2.190" N

**TABLE B: Geo-coordinates of Prominent Locations of Eco-Sensitive Zone**

ID	X	Y
A.	78° 1' 59.100" E	29° 35' 0.059" N
B.	78° 4' 43.389" E	29° 34' 51.373" N

<b>C.</b>	78° 7' 11.249" E	29° 33' 12.314" N
<b>D.</b>	78° 8' 13.483" E	29° 30' 59.150" N
<b>E.</b>	78° 7' 39.632" E	29° 28' 22.382" N
<b>F.</b>	78° 8' 1.746" E	29° 25' 33.980" N
<b>G.</b>	78° 8' 32.659" E	29° 22' 51.877" N
<b>H.</b>	78° 7' 36.414" E	29° 20' 22.996" N
<b>I.</b>	78° 7' 3.039" E	29° 17' 26.750" N
<b>J.</b>	78° 9' 2.320" E	29° 15' 32.600" N
<b>K.</b>	78° 9' 2.320" E	29° 15' 32.600" N
<b>L.</b>	78° 13' 52.159" E	29° 12' 48.297" N
<b>M.</b>	78° 15' 20.906" E	29° 10' 13.619" N
<b>N.</b>	78° 16' 26.772" E	29° 7' 50.908" N
<b>O.</b>	78° 16' 30.312" E	29° 4' 49.283" N
<b>P.</b>	78° 16' 13.785" E	29° 1' 48.359" N
<b>Q.</b>	78° 15' 45.544" E	28° 58' 49.872" N
<b>R.</b>	78° 15' 5.922" E	29° 56' 1.401" N
<b>S.</b>	78° 14' 20.688" E	28° 53' 5.639" N
<b>T.</b>	78° 13' 7.849" E	28° 50' 19.759" N
<b>U.</b>	78° 14' 13.738" E	28° 49' 14.343" N
<b>V.</b>	78° 11' 47.995" E	29° 47' 26.365" N
<b>W.</b>	78° 9' 10.038" E	28° 45' 58.150" N
<b>X.</b>	78° 6' 26.294" E	28° 46' 6.383" N
<b>Y.</b>	78° 4' 11.780" E	28° 47' 38.832" N
<b>Z.</b>	78° 3' 35.240" E	28° 50' 26.358" N
<b>AA.</b>	78° 2' 10.922" E	28° 52' 52.477" N
<b>BB.</b>	78° 1' 29.082" E	28° 55' 42.633" N
<b>CC.</b>	78° 0' 50.481" E	28° 58' 36.669" N
<b>DD.</b>	77° 59' 59.426" E	29° 1' 25.806" N
<b>EE.</b>	77° 59' 5.786" E	29° 3' 35.533" N
<b>FF.</b>	77° 59' 25.992" E	29° 6' 9.497" N
<b>GG.</b>	77° 58' 59.545" E	29° 8' 34.572" N
<b>HH.</b>	77° 58' 4.536" E	29° 11' 12.542" N
<b>II.</b>	77° 59' 19.264" E	29° 13' 50.151" N
<b>JJ.</b>	77° 58' 41.312" E	29° 16' 14.958" N
<b>KK.</b>	77° 57' 52.852" E	29° 18' 40.736" N

<b>LL.</b>	77° 58' 17.816" E	29° 21' 29.689" N
<b>MM.</b>	77° 56' 22.501" E	29° 23' 39.013" N
<b>NN.</b>	77° 56' 17.929" E	29° 26' 0.643" N
<b>OO.</b>	77° 55' 53.442" E	29° 28' 42.615" N
<b>PP.</b>	77° 53' 50.334" E	29° 30' 37.108" N
<b>QQ.</b>	77° 54' 2.235" E	29° 32' 39.108" N
<b>RR.</b>	77° 54' 23.069" E	29° 35' 10.759" N
<b>SS.</b>	77° 56' 31.784" E	29° 36' 51.165" N
<b>TT.</b>	77° 59' 20.515" E	29° 36' 13.900" N

## ANNEXURE-IV

## LIST OF VILLAGE WITH AREA COMING UNDER ECO-SENSITIVE ZONE OF HASTINAPUR WILDLIFE SANCTUARY ALONG WITH GEO-COORDINATES

District Name	S.No.	Village Name	G.P.S. Location					
			N			E		
			Degree	Minute	Second	Degree	Minute	Second
	1	2	3	4	5	6	7	8
Meerut	1	Mohammad pur	29	14	17.1	77	58	57.4
	2	Mod khurd	29	13	40.1	77	58	34.9
	3	Sadar pur	29	13	34.2	77	58	31.8
	4	Bahsuma	29	12	25.3	77	57	37.5
	5	Samaspur	29	11	08.2	77	57	34.0
	6	Rehmapur	29	10	14.3	77	57	58.0
	7	Hastinapur/ Ganeshpur	29	08	56.5	77	58	17.5
	8	Nagla Chand	29	07	43.0	77	58	43.8
	9	Pali	29	07	21.2	77	59	26.5
	10	Ikbara	29	06	49.1	77	58	16.0
	11	Dariyapur	29	06	30.9	77	59	07.3
	12	Nidawli	29	05	59.2	77	58	52.2
	13	Dhuma Nagli	29	05	39.5	77	58	47.9
	14	Alipur Morna	29	05	07.5	77	58	47.6
	15	Gajrauli	29	04	52.3	77	58	40.5
	16	Akbarpur Ichchabad	29	04	08.2	77	58	39.3
	17	Humayun Pur	29	02	57.7	77	58	37.4
	18	Jay Singh Pur	29	02	34.0	77	58	36.9
	19	Agwanpur	28	59.643	-	77	59.843	-
	20	Narangpur	28	58.440	-	78	00.391	-
	21	Gesupur Sumali	28	56.257	-	78	01.393	-
	22	Gesupur Janubi	28	56.017	-	78	01.352	-

	<b>23</b>	Mahmood Pur	28	55.587	-	78	01.441	-
	<b>24</b>	Aseel Pur	28	53.860	-	78	01.684	-
<b>Bijnor</b>	<b>1</b>	Meerapur Khadar	29	31	625	78	04	069
	<b>2</b>	Dayal Wala	29	31	567	78	04	255
	<b>3</b>	Shekhu pura	29	31	090	78	05	593
	<b>4</b>	Devi Das Wala	29	30	216	78	04	432
	<b>5</b>	Mandawar	29	29	391	78	07	458
	<b>6</b>	Mondiya	29	29	876	78	08	459
	<b>7</b>	Lalpur	29	28	616	78	07	807
	<b>8</b>	Layak pur	29	27	985	78	07	956
	<b>9</b>	Sukhanand pur	29	28	644	78	07	994
	<b>10</b>	Jandar pur	29	25	938	78	07	901
	<b>11</b>	Gajraula shiv	29	26	274	78	08	488
	<b>12</b>	Mandawli Saidu	29	25	623	78	07	918
	<b>13</b>	Jamal pur Pathani	29	25	023	78	08	015
	<b>14</b>	Adampur	29	23	311	78	08	727
	<b>15</b>	Bijnor	29	22	909	78	08	188
	<b>16</b>	Adarsh Nagar	29	23	311	78	08	727
	<b>17</b>	Bakshi wala	29	22	253	78	08	961
	<b>18</b>	Bukhara	29	22	363	78	08	765
	<b>19</b>	Jhanda pur	29	20	716	78	07	782
	<b>20</b>	Lakshi Wala	29	18	310	78	07	051
	<b>21</b>	Dara Nagar Ganj	29	16	719	78	07	028
	<b>22</b>	Shahpur	29	15	988	78	08	021
	<b>23</b>	Mahmooda	29	15	641	78	09	189
	<b>24</b>	Chhachhri Teep	29	14	665	78	10	746
	<b>25</b>	Jhalau Leda	29	14	768	78	11	986
	<b>26</b>	Heempur Deepa	29	13	42.0	78	13	07.4
	<b>27</b>	Ratan pur Khurd	29	13	30.1	78	13	20.8
	<b>28</b>	SudniPur Rawti	29	12	42.7	78	13	50.5
	<b>29</b>	Akbar pur Tigri	29	11	12.3	78	14	36.6
	<b>30</b>	Rauniya	29	10	28.7	78	15	18.6
	<b>31</b>	Syau	29	08	48.3	78	15	46.4
	<b>32</b>	Chandpur	29	08	16.2	78	15	43.5
	<b>33</b>	Harpur	29	06	20.3	78	16	42.9
	<b>34</b>	Mirzapur	29	05	36.6	78	16	51.3
	<b>35</b>	Bagadpur	29	04	22.5	78	16	39.0
	<b>36</b>	Darwada	29	05	57.7	78	16	30.6
<b>Hapur</b>	<b>1</b>	Saidpur	28	52	22.0	78	02	37.2
	<b>2</b>	Kalyan Pur	28	49	45.2	78	03	22.7

	3	Janpura	28	49	28.1	78	03	10.6	
	4	Khilwai	28	48	42.6	78	03	33.7	
	5	Dautai	28	47	57.2	78	03	18.3	
	6	Allawaksh Pur	28	46	05.8	78	06	11.2	
<b>Amroha</b>	1	Bachhrayun	28	55	50	78	14	56.6	
	2	Fatte pur Chhichhra	28	54	22.03	78	14	35.02	
	3	Jogipura	28	53	59.1	78	14	25.0	
	4	Sakarhali	28	52	20.7	78	13	57.04	
	5	Chaki Kheda	28	51	25.1	78	13	25.0	
	6	Ahrola Tezvan	28	51	13.2	78	13	30.0	
	7	Kripal Nath Pur	28	50	18.8	78	13	06.7	
	8	Fazal Pur	28	50	17.09	78	14	04.3	
	9	Gajraula	28	50	17.06	78	14	32.02	
	10	Kumharpura	28	55	52.3	78	15	03.2	
	11	Mohammad Pura	28	56	17.3	78	15	22.2	
	12	Kamal pur Kaji	28	56	54.7	78	15	42.1	
	13	Dhanaura Shahar	28	57	33.6	78	15	23.5	
	14	Pattarkuti	28	58	29.2	78	15	42.5	
	15	Chuchaila Kalan	29	59	51.7	78	16	09.8	
	16	Rasool Pur	27	01	03.3	78	16	15.3	
	17	Fadedi	29	01	49.6	78	16	25.5	
	<b>(Hasanpur Range)</b>	18	Mahmooda Bad	28	46	19.0	78	09	53.0
		19	Kankather	28	47	07.4	78	11	11.1
		20	Sultaan ther	28	47	45.0	78	12	08.3
		21	Khiyali Pur	28	47	43.7	78	12	08.0
		22	Nai Pura	28	48	53.1	78	13	44.4
		23	Bhartiya Gram	28	49	09.8	78	14	01.3
<b>Muzaffar nagar</b>		1	Hasam Pura	29	15	25.80	77	58	46.51
	2	Kithora	29	16	51.09	77	57	11.55	
	3	Meera Pur	29	17	35.10	77	56	58.90	
	4	Valipura	29	18	10.74	77	56	52.64	
	5	Sikandar Pur	29	19	38.08	77	57	37.54	
	6	Jadwad	29	20	50.76	77	57	51.88	
	7	Katiya	29	21	39.05	77	57	20.63	
	8	Tandheda Sadat	29	22	17.79	77	56	52.12	
	9	Tandheda Gairabad	29	22	32.54	77	56	44.25	
	10	Kakrauli	29	23	41.59	77	55	10.33	
	11	Daulat pur	29	25	47.52	77	55	38.47	
	12	Kakrala	29	28	22.08	77	55	24.04	

13	Bhidahedi	29	27	27.75	77	55	25.12
14	Nai Basti Maurna	29	27	45.60	77	55	35.16
15	Athai	29	29	24.40	77	54	16.00
16	Belda	29	30	28.48	77	52	33.23
17	Dheerahedi	29	30	42.86	77	52	24.66
18	Sikandar Pur	29	32	29.54	77	53	20.07
19	Lalpur Gairabad	29	32	36.68	77	53	21.86
20	ZindaWala	29	34	54.68	77	55	15.47
21	Kalewal	29	35	06.78	77	54	50.93
22	Milakpur	29	34	47.12	77	53	31.16
23	Narayan puri	29	34	55.98	77	53	52.72
24	Babra Gairabad	29	18	32.69	77	56	58.74
25	Jamalpur Bangar	29	18	56.24	77	57	13.09
26	Khokhani	29	24	19.99	77	55	26.50
27	Raipur	29	30	07.23	77	53	07.19
28	Nirangajani	29	31	19.07	77	52	45.94
29	Duheli	29	34	37.27	77	53	10.45
30	Hazipur Khadar Gairabad	29	34	36.68	77	58	28.17
31	Almawala	29	34	21.89	77	59	58.93
32	Majleeshpur	29	34	18.15	78	00	09.62
33	Shahjahan pur	29	33	32.16	78	01	14.72

**Annexure –V****Performa of Action Taken Report: - Eco-sensitive Zone Monitoring Committee.-**

1. Number and date of Meetings
2. Minutes of the meetings: Mention main noteworthy points. Attach Minutes of the meeting as separate Annexure.
3. Status of preparation of Zonal Master Plan including Tourism Master Plan
4. Summary of cases dealt for rectification of error apparent on face of land record (Eco-sensitive Zone wise). Details may be attached as Annexure.
5. Summary of cases scrutinised for activities covered under the Environment Impact Assessment Notification, 2006. Details may be attached as separate Annexure.
6. Summary of cases scrutinised for activities not covered under the Environment Impact Assessment Notification, 2006. Details may be attached as separate Annexure.
7. Summary of complaints lodged under section 19 of the Environment (Protection) Act, 1986.
8. Any other matter of importance.

## **Annexure 15 (B)**

Minutes of meeting dated 23.10.2020 of the National Wild  
Life Board approving the recommendation of rationalisation  
of HWLS boundary given by UP State Wildlife Board

1294/81-4-2020



F.No.6-50/2020 WL  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Wildlife Division)

1st Floor, Agni Wing,  
Indira Paryavaran Bhawan,  
Jor Bagh Road,  
New Delhi 110003

Date: 23.10.2020

To,

The Principal Secretary,  
Department of Environment & Forests,  
Government of Uttar Pradesh,  
17, Rana Pratap Marg,  
Lucknow -226001; Email: pseforest-up@nic.in

2379/PSE/ma  
Lucknow, UP  
JDP

Sub: - Hon'ble NGT, New Delhi order dated 07.02.2020 in Execution Application 47/2019 titled Gaurav Kumar Bansal Vs. UOI & Ors. for rationalization of the boundaries of Hastinapur Wildlife Sanctuary, Uttar Pradesh-Agenda No. 59.3.6]-regarding

2-11-20  
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग  
उत्तर प्रदेश शासन

Reference is invited to the subject mentioned. The 59<sup>th</sup> Meeting of the Standing Committee of National Board for Wild Life was held on 5<sup>th</sup> October, 2020 through Video Conference under the chairmanship of Hon'ble Minister for Environment, Forest & Climate Change.

7387/sf/sk  
JS(D.K.)

2. After detailed discussion, the Standing Committee decided to **recommend** (MoM as for agenda item No. 59.3.6 is as **Annexure**) the proposal for rationalization of the boundary of Hastinapur Sanctuary submitted by the State Government.

02-11-2020  
(संलग्न सिंह)  
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग  
उत्तर प्रदेश शासन

Yours Faithfully,

(Rakesh Kumar Jagenia)  
Deputy Inspector General of Forests (WL)  
Email: [digwl-mefcc@gov.in](mailto:digwl-mefcc@gov.in)

Copy to

1. The Chief Wild Life Warden, Department of Environment & Forests, 17, Rana Pratap Marg, Lucknow 226 001 Email: cwlwup@gmail.com
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector H, Aliganj, Lucknow 226 020; Email: rocz.lko-mef@nic.in
- The Advisor, ESZ Division, MoEF& CC, Email: satish.garkoti@nic.in
- The Inspector General of Forests, FC Division, MoEF&CC; Email: igfmef.akm@gov.in

वत-म  
02/11/20  
संयुक्त सचिव  
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग  
उत्तर प्रदेश शासन।

श्री वल्लभजी  
03.11.2020

F. No.6-101/2020 WL  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Wildlife Division)  
\*\*\*

1<sup>st</sup> Floor, Agni Block,  
Indira Paryavaran Bhawan,  
Jor Bagh Road, Aliganj,  
New Delhi-110003

Dated: 19<sup>th</sup> October, 2020

To,

All Members  
Standing Committee of NBWL

**Sub: Minutes of 59<sup>th</sup> Meeting of Standing Committee of National Board for Wildlife-  
Reg.**

Sir/Madam,

Kindly find enclosed copy of the minutes of 59<sup>th</sup> Meeting of the Standing Committee of the National Board for Wild Life held on 5<sup>th</sup> October, 2020 under the chairmanship of Hon'ble Minister of Environment Forest & Climate Change, Government of India.

Yours faithfully,

(Rakesh Kumar Jagenia)

Dy. Inspector General of Forests (WL)  
Email: digwl\_mefcc@gov.in

**Distribution**

1. Secretary, MoEF & CC
2. DGF&SS, MoEF&CC.
3. ADGF(WL), MOEF&CC.
4. ADGF(FC), MoEF&CC.
5. Member Secretary, NTCA
6. Director/IGF, PE Division, MoEF&CC.
7. Director, WII, Dehradun.
8. Director, GEER Foundation, Gandhinagar
9. Dr. R. Sukumar, Member, NBWL
10. Dr. H.S. Singh, Member, NBWL
11. Pr. Secretary, Forest Department, Govt. of Andhra Pradesh

**Copy To:**

1. PS to Hon'ble MoEF&CC.
2. PS to Hon'ble MoSEF&CC
3. PPS to DGF&SS, MoEF&CC.
4. PPS to Addl.DGF(WL), PPS to IGF(WL).
5. Additional Chief Secretary/ Principal Secretary/Secretary, Forest Department of Jammu & Kashmir, Gujarat, Telangana, Kerala, Rajasthan, Karnataka, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Assam and Bihar.
6. PCCF & HOFF of Jammu & Kashmir, Gujarat, Telangana, Kerala, Rajasthan, Karnataka, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Assam and Bihar.
7. CWLW of Jammu & Kashmir, Gujarat, Telangana, Kerala, Rajasthan, Karnataka, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Assam and Bihar.

9d-11  
9  
वृद्ध कारखाना ...  
आजगुद नरुद देव सुगुि धक ...  
रुत विवकरु  
म म

Granites) reg. NOC for the petitioners mining projects located within 10 kms of Idduki Wildlife sanctuary and Malabar Wildlife Sanctuary. [File No 6-93/2020-WL; State Kerala]

The Member Secretary informed the Standing Committee that the Additional Secretary, Forest Department, Government of Kerala has requested to place the matters before the Standing Committee of the National Board within a period of one week as directed by the Kerala High Court on 13-03-2020 and 23-03-2020 for consideration vide letter dated 15.07.2020. As per the normal procedure for consideration by the Standing Committee, the proposals should be received through proper channel with the recommendations of the State Chief Wild Life Warden, State Board for Wild Life and State Government.

**Decision Taken:** Based on the discussion held and documents submitted, the Standing Committee decided to request the State Government to **resubmit the proposals** as per the established guidelines and procedures.

- 59.3.5 **Judgement of the Kerala High Court dated 14.07.2020 in W.P(C) 13717/2020 to requesting for considering the proposals of M/s Mancombu Granites Ltd. located within 10 kms of national parks and wildlife sanctuaries in Idukki Districts of Kerala- [File No 6-93/2020-WL; State: Kerala]**

The Member Secretary informed the Standing Committee that the Additional Secretary, Forest Department, Government of Kerala has requested to place this matter before the Standing Committee of the National Board within a period of one week as directed by the Kerala High Court on 14.07.2020 for consideration vide letter dated 27.08.2020. As per the normal procedure for consideration by the Standing Committee, the proposals should be received through proper channel with the recommendations of the State Chief Wild Life Warden, State Board for Wild Life and State Government.

**Decision Taken:** Based on the discussion held and documents submitted, the Standing Committee decided to request the State Government to **resubmit the proposals** as per the established guidelines and procedures.

- 59.3.6 **NGT, New Delhi order dated 07.02.2020 in Execution Application dated 47/2019 titled Gaurav Kumar Bansal Vs. UOI & Ors. for rationalization of the boundaries of Hastinapur Wildlife Sanctuary, Uttar Pradesh- [File No 6-50/2020-WL (Pt); State: Uttar Pradesh]**

The Member Secretary informed the Standing Committee that The National Green Tribunal vide order dated 07.02.2020 has directed the following: -

- a. The Principal Secretary, Forest and Wildlife, State of UP shall ensure that the proposal for rationalization of the boundaries of Hastinapur Wildlife Sanctuary is sent to NBWL within 21 days from today.
- b. The Additional DG Wildlife, MoEF&CC is directed to complete the process at their level within 30 days after receiving of proposal from the State Government.
- c. The NBWL shall refer the matter back to the State Government for final notification immediately thereafter.
- d. The State Government to issue final notification after receipt of the proposal from NBWL within 30 days.

The State Government of Uttar Pradesh had entrusted WII Dehradun for the assessment of wildlife habitats with special focus on swamp deer in Hastinapur Wildlife Sanctuary. Accordingly, WII Dehradun submitted its report to the State Government dated on 09/10/2019.

The proposal has been recommended by the State Board for Wild Life in the meeting held on 04.11.2019.

In compliance of the above mentioned NGT directions, the State Government of Uttar Pradesh has submitted the proposal for rationalization of the boundary of Hastinapur Sanctuary as follows:

(1)	Total area of Hastinapur Wildlife Sanctuary as per the original notification	:	2073.00 sq.km
(2)	Excluded area in the left bank of Ganga	:	712.8 sq.km
(3)	Excluded area in the right bank of Ganga	:	265.3 sq.km
	(2) + (3)	:	978.1 sq.km
(4)	<b>Area after exclusion</b>		<b>1094.9 sq. km.</b>

The Chief Wild Life Warden informed that after rationalization, the area of the sanctuary would be reduced to 1094.9 sq.km. The State Government would take action for addition of 187.62 sq.km to the sanctuary or notify as ESZ.

**Decision Taken:** After detailed discussion, the Standing Committee decided to **recommend** the proposal for rationalization of the boundary of Hastinapur Sanctuary submitted by the State Government.

#### 59.3.7 Proposal for de-notification of 111.73 Sq. Km revenue area from Son Chiraiya (Great Indian Bustard) Sanctuary at Ghatigaon, Madhya Pradesh- [File No. 6-15/2019-WL; State: Madhya Pradesh]

The member secretary informed that the Standing Committee in its 54<sup>th</sup> meeting held on 18<sup>th</sup> July 2019 agreed in principle to the State Government's proposal for rationalization of the boundary of the Son Chiraiya Sanctuary, Ghatigaon subject to the condition that the State Government would prepare and implement a GIB conservation Management and Habitat Restoration Plan in the less disturbed area

## ANNEXURE I

## LIST OF PARTICIPANTS

1	Shri Prakash Javadekar, Hon'ble Minister for EF&CC	Chairman
2	Shri R. P. Gupta, Secretary, MoEF&CC	Member
3	Shri Sanjay Kumar, DGF&SS, MoEF&CC	Member
4	Shri Soumitra Dasgupta, ADGF (WL), MoEF&CC	Member Secretary
5	Prof. R. Sukumar, Member, NBWL	Member
6	Dr. H. S. Singh, Member, NBWL	Member
7	Shri R. D. Kamboj, Member, NBWL	Member
8	Dr. Dhananjay Mohan, Member, NBWL	Member
9	Shri S.K. Ratho, ADGF (FC)	Invitee
10	Dr. S. P. Yadav, ADGF(PT) and MS, NTCA	Invitee
11	Shri M. K. Yadava, CWLW, Assam	Invitee
12	Shri Prabhat Kumar Gupta, CWLW, Bihar	Invitee
13	Shri Shyamal Tikedar, CWLW, Gujarat	Invitee
14	Shri Suresh Kumar Gupta, CWLW, Jammu & Kashmir	Invitee
15	Shri Surendra Kumar, CWLW, Kerala	Invitee
16	Shri Alok Kumar, CWLW, Madhya Pradesh	Invitee
17	Shri Subhash Malkhede, APCCF (Wildlife), Karnataka	Invitee
18	Shri Sidhanand Kukrety, APCCF (Wildlife), Telangana	Invitee
19	Shri Arindam Tomar, CWLW, Rajasthan	Invitee
20	Shri Sunil Pandey, CWLW, Uttar Pradesh	Invitee
21	Shri J. S. Suhag, CWLW, Uttarakhand	Invitee
22	Shri Amit Mallick, IGF (WL), MoEF & CC	Invitee
23	Shri Rakesh Kr Jagenia, DIGF(WL, MoEF&CC	Invitee
24	Shri Amit Vashishtha, Scientist D, MoEF&CC	Invitee

## **Annexure 15 (C)**

RTI Reply showing exclusion of the proposed project site along with the entire Gajraula Nagar Palika in whose jurisdiction the project is located

कार्यालय  
पत्रांक 324 / ज0सू0

जिलाधिकारी

अमरोहा  
दिनांक 18-7-22

मानसी चहल  
एडवोकेट, चैम्बर नं0-7,  
त्रिशूल टावर, कौशाम्बी,  
गाजियाबाद- 201010 (उ0प्र0)

कृपया जनसूचना अधिकार के अन्तर्गत आपके प्रार्थना पत्र दिनांक 02.07.2022 के सम्बन्ध में सूचना निम्नवत् है-

क्र0सं0	प्रश्न	उत्तर
1	क्या गजरौला नगर पालिका परिषद क्षेत्र प्रस्ताव दिनांक 28.02.2022 के अनुसार हस्तिनापुर वन्य जीव अभ्यारण्य की सीमाओं के बाहर है।	प्रस्ताव दिनांक 28.02.2022 के अन्तर्गत गजरौला नगर पालिका क्षेत्र, हरिनापुर वन्य जीव अभ्यारण्य से बाहर है।
ए	मण्डलायुक्त मेरठ को जिलाधिकारी अमरोहा द्वारा प्रेषित अन्तिम आख्या दिनांक 28.02.2022 की प्रतिलिपि उपलब्ध कराने का कष्ट करें।	जिलाधिकारी अमरोहा की आख्या दिनांक 28.02.2022 की छाया प्रति संलग्न है।
बी	ऐसे अभिलेख जो प्रस्तावित हस्तिनापुर वन्य जीव अभ्यारण्य की सीमाओं को दर्शाते हैं।	जिलाधिकारी अमरोहा की आख्या दिनांक 28.02.2022 में कोआर्डिनेट्स दर्शाये गये हैं।
सी	टोपोशीट नक्शा जिसमें कि प्रस्तावित हस्तिनापुर वन्य जीव अभ्यारण्य की सीमाओं को दर्शाया गया हो।	टोपोशीट नक्शा तैयार किये जाने की कार्यवाही प्रगति पर है।

अपर जिलाधिकारी (वि0/रा0)  
अमरोहा

## **Annexure 15(D)**

Report from the District Magistrate, Amroha in whose jurisdiction the Project is located for Section 26 Notification  
Section 26 Notification of the Hastinapur Wildlife Sanctuary

वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-26 के अन्तर्गत जनपद  
अमरोहा (जे०पी०नगर) में हस्तिनापुर वन्य जीव विहार सीमा सुव्यवस्थीकरण  
सम्बन्धी उद्घोषणा

सर्वसाधारण को सूचित किया जाता है कि वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-18 की उपधारा-1 के अधीन शक्तियों का प्रयोग करते हुए महामहिम श्री राज्यपाल उत्तर प्रदेश द्वारा वन्य जीवों और उनके पर्यावरण संरक्षण संवर्द्धन एवं विकास के प्रयोजन के लिए पर्याप्त पारिस्थितिक प्राणिजात, पादपजात, भू-अकृतित्व प्राकृतिक और प्राणी तत्वीय महत्व के कुल 2073 वर्ग किमी० क्षेत्र को शासनादेश 3782/13-3-87/84 दिनांक 30.07.1986 द्वारा वन्य जीव विहार के रूप में घोषित किया गया, जिसका नाम हस्तिनापुर अभ्यारण्य रखा गया। इस अभ्यारण्य के अन्तर्गत जनपद अमरोहा में गंगा नदी के तटीय क्षेत्र के कुल 190 ग्राम को सम्मिलित कर हस्तिनापुर अभ्यारण्य घोषित किया गया।

उपरोक्त अधिसूचित हस्तिनापुर वन्यजीव विहार की सीमा के सुव्यवस्थीकरण का प्रकरण मा० राष्ट्रीय हरित अधिकरण में योजित ओ०ए० सं० 325/2018 गौरव कुमार बंसल बनाम यूनियन ऑफ इण्डिया एवं अन्य में मा० अधिकरण द्वारा पारित निर्णय एवं आदेश दिनांक 30-02-2020 से आच्छादित है। प्रमुख सचिव पर्यावरण वन एवं जलवायु परिवर्तन अनुभाग-4 उत्तर प्रदेश शासन के कार्यालय ज्ञाप सं० 1275/81-2020-852/97 दिनांक 17-11-2020 से हस्तिनापुर वन्यजीव विहार की सीमा के सुव्यवस्थीकरण (Rationalization) किये जाने के सम्बन्ध में कार्यालय ज्ञाप निर्गत किया गया।

भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के क्रम में अमरोहा जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसका विवरण निम्न प्रकार है:-

क्र० सं०	जनपद	ग्राम	अक्षांश	देशान्तर
1	अमरोहा	आगापुर खुर्द	28° 49' 32.412" N	78° 9' 51.788" E
2	अमरोहा	अलीनगर	28° 53' 31.576" N	78° 9' 18.396" E
3	अमरोहा	वाजिदपुर	28° 56' 26.158" N	78° 9' 22.121" E
4	अमरोहा	बसंतपुर एहतमाली	28° 50' 46.191" N	78° 8' 0.721" E
5	अमरोहा	बसंतपुर मुस्तहकम	28° 50' 51.494" N	78° 7' 23.190" E
6	अमरोहा	वसी एहतमाली	28° 56' 54.279" N	78° 6' 0.595" E
7	अमरोहा	बस्तौरा रानी	28° 57' 42.689" N	78° 5' 22.201" E
8	अमरोहा	बेगमपुर	28° 57' 7.454" N	78° 9' 4.250" E
9	अमरोहा	वसी मुस्तहकम	28° 57' 51.417" N	78° 7' 2.465" E
10	अमरोहा	भोगपुर एहतमाली	28° 53' 42.126" N	78° 7' 43.293" E
11	अमरोहा	भोजपुरा	28° 57' 34.764" N	78° 8' 52.123" E
12	अमरोहा	विशावली एहतमाली	28° 55' 32.596" N	78° 5' 47.873" E
13	अमरोहा	विशावली मुस्तहकम	28° 57' 9.338" N	78° 7' 51.867" E
14	अमरोहा	चकनवाला एहतमाली	28° 54' 43.043" N	78° 6' 44.316" E
15	अमरोहा	चकनवाला मुस्तहकम	28° 54' 7.407" N	78° 8' 53.061" E
16	अमरोहा	चांदरा एहतमाली	28° 59' 45.217" N	78° 7' 30.828" E
17	अमरोहा	चांदरा मुस्तहकम	29° 0' 30.298" N	78° 7' 45.143" E
18	अमरोहा	चुडियाला	28° 57' 1.890" N	78° 8' 38.491" E
19	अमरोहा	दारानगर एहतमाली	28° 53' 5.112" N	78° 7' 50.622" E
20	अमरोहा	दारानगर मुस्तहकम	28° 53' 4.964" N	78° 8' 49.408" E
21	अमरोहा	दयावली मुन्जबता	28° 48' 32.722" N	78° 9' 19.633" E
22	अमरोहा	धलेण्डा	28° 55' 31.679" N	78° 8' 21.798" E
23	अमरोहा	फरीदपुर एहतमाली	28° 49' 2.318" N	78° 7' 57.094" E
24	अमरोहा	गडावली एहतमाली	28° 48' 4.678" N	78° 8' 24.241" E
25	अमरोहा	गुलालपुर एहतमाली	28° 52' 22.913" N	78° 7' 33.234" E
26	अमरोहा	गुलालपुर मुस्तहकम	28° 52' 23.864" N	78° 8' 27.523" E
27	अमरोहा	हाशमपुर खादर	28° 51' 19.309" N	78° 8' 31.970" E
28	अमरोहा	ईश्वरदेवा	28° 55' 6.081" N	78° 11' 3.431" E
29	अमरोहा	जगदेपुर एहतमाली	28° 47' 12.995" N	78° 8' 42.304" E
30	अमरोहा	जलालनगर उर्फ रायअंदाजपुर	28° 51' 44.051" N	78° 7' 30.637" E
31	अमरोहा	जयथल एहतमाली	28° 59' 34.218" N	78° 8' 7.732" E
32	अमरोहा	कादराबाद	28° 55' 34.466" N	78° 9' 57.756" E
33	अमरोहा	कांकाठेर	28° 47' 33.553" N	78° 10' 6.839" E
34	अमरोहा	लठीरा एहतमाली	28° 49' 4.496" N	78° 9' 2.322" E

35	अमरोहा	भीरापुर एहतमाली	28° 56' 6.600" N	78° 8' 2.289" E
36	अमरोहा	मोहसनपुर	29° 2' 19.534" N	78° 7' 21.685" E
37	अमरोहा	मुकारमपुर एहतमाली	29° 1' 12.649" N	78° 6' 52.207" E
38	अमरोहा	मुकारमपुर मुस्तहकम	29° 1' 54.121" N	78° 6' 54.448" E
39	अमरोहा	ओसिता एहतमाली	28° 47' 7.370" N	78° 9' 27.056" E
40	अमरोहा	ओसिता मुस्तहकम	28° 46' 23.832" N	78° 8' 54.958" E
41	अमरोहा	पपसरा खादर	28° 52' 32.622" N	78° 9' 27.283" E
42	अमरोहा	रायवाना दल्लीपुर	28° 56' 18.751" N	78° 6' 2.032" E
43	अमरोहा	रम्पुरा खादर निकट वाजिदपुर	28° 56' 31.243" N	78° 8' 23.238" E
44	अमरोहा	रम्पुरा खादर एहतमाली	29° 0' 30.771" N	78° 7' 1.239" E
45	अमरोहा	रम्पुरा खादर मुस्तहकम	29° 0' 7.789" N	78° 5' 24.806" E
46	अमरोहा	रुस्तमपुर छात एहतमाली	28° 58' 27.486" N	78° 7' 20.285" E
47	अमरोहा	रसूलपुर भांवर एहतमाली	29° 3' 18.505" N	78° 5' 23.814" E
48	अमरोहा	रसूलपुर भांवर मुस्तहकम	29° 3' 6.981" N	78° 6' 17.931" E
49	अमरोहा	श्यामपुर	28° 49' 48.975" N	78° 9' 37.731" E
50	अमरोहा	सरायकाजी	28° 58' 0.722" N	78° 9' 17.729" E
51	अमरोहा	शाहजहांपुर छात मुस्तकम	28° 59' 1.935" N	78° 5' 33.522" E
52	अमरोहा	शरीफपुर शुमाली	28° 55' 1.096" N	78° 9' 7.725" E
53	अमरोहा	शेरपुर एहतमाली	28° 58' 0.500" N	78° 8' 9.314" E
54	अमरोहा	सिहाली मेव एहतमाली	28° 51' 47.041" N	78° 8' 2.540" E
55	अमरोहा	सिहाली मेव मुस्तहकम	28° 51' 41.400" N	78° 8' 58.045" E
56	अमरोहा	सरकड़ी खादर	28° 51' 2.895" N	78° 9' 17.327" E
57	अमरोहा	सुनपुरा खुर्द	28° 50' 42.737" N	78° 9' 38.949" E
58	अमरोहा	तिगरी	28° 49' 51.182" N	78° 8' 37.181" E

हरिनापुर वन्य जीव विहार की सीमाओं के सुव्यवस्थीकरण के संबंध में जिला शासकीय अधिवक्ता (दीवानी) जनपद अमरोहा से आख्या प्राप्त की गयी। जिला शासकीय अधिवक्ता द्वारा प्रस्तुत अपनी आख्या में अवगत कराया गया कि "पत्रावली पर संलग्न नोटिस का प्रस्तावित आलेख शासन के पत्र दिनांकित 17-11-2020 तथा वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-18बी व अधिनियम की धारा-19 से 25 के अन्तर्गत पूर्ण किये जाने की प्रक्रिया के अनुरूप है तथा अधिनियम के प्राविधानों के अनुसार हरिनापुर वन्य जीव अभ्यारण्य के जनपद अमरोहा की सीमा के भीतर तथा उनके नियंत्रण में आने वाली भूमि पर

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किसी व्यक्ति के अधिकारों, अस्तित्व, प्रकृति और विस्तार की जाँच करने तथा उसको अवधारित करने के समस्त सुसंगत तथ्य प्रस्तावित नोटिस में विद्यमान हैं। उक्त प्रस्तावित नोटिस को शासन के पत्र सं० 1275/81-4-2020-852/97 दिनांक 17-11-2020 में दिये गये निर्देशों के अनुरूप जारी किये जाने में कोई विधिक बाधा नहीं है।”

वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-21 (सहपठित) धारा-19 के अन्तर्गत हस्तिनापुर वन्यजीव विहार की सीमा के सुव्यवस्थीकरण के सम्बन्ध में जिलाधिकारी अमरोहा द्वारा दिनांक 14-06-2021 को उद्घोषणा की गयी। जनपद अमरोहा के अन्तर्गत अभ्यारण्य की सीमा में प्रस्तावित 58 ग्रामों की सूची दैनिक समाचार पत्र अमर उजाला, हिन्दुस्तान, दैनिक जागरण के दिनांक 19-06-2021 के अंक में प्रकाशित कर उद्घोषित किया गया कि यदि प्रस्तावित अभ्यारण्य के सुव्यवस्थीकरण की सीमाओं के अन्तर्गत आने वाले क्षेत्र पर किसी को कोई आपत्ति या किसी का कोई स्वत्व अधिकार या अवधान अन्तर्निहित हो तो घोषणा प्रकाशित होने की तिथि से दो माह की अवधि में अधोहस्ताक्षरी/सक्षम अधिकारी के सम्मुख निर्धारित प्रपत्र में आपत्ति कर सकता है।

हस्तिनापुर वन्य जीव विहार की सीमाओं के सुव्यवस्थीकरण के संबंध में आयुक्त मेरठ मण्डल मेरठ द्वारा जारी कार्यवृत्त दिनांक 05-04-2021 के क्रम सं०-1 में दिये गये निर्देश के क्रम में इस कार्यालय की पत्र संख्या 1950/भू०व्य०लि०/2021 दिनांक 14.06.2021 द्वारा हस्तिनापुर वन्य जीव विहार की सीमा का सर्वे, लेखपाल/नायब तहसीलदार/तहसीलदार/उप जिलाधिकारी द्वारा सावधानी एवं स्थलीय वास्तविकता के आधार पर सम्पन्न कराने के निर्देश दिये गये। वन्य जीव (संरक्षण) अधिनियम-1972 के अन्तर्गत हस्तिनापुर अभ्यारण्य की उद्घोषणा, सर्वे कार्य को पूर्ण किये जाने के लिए नोटिस के प्रारूप एवं कार्यवाहियों का निर्धारण तथा संबंधित क्षेत्र के निवासियों द्वारा किये जाने वाले दावों पर आपत्ति हेतु प्रपत्र प्रेषित किया गया।

उक्त क्रम में इस कार्यालय के पत्रांक 1950/भू०व्य०लि०/2021 दिनांक 14-06-2021 से निर्देश दिये गये कि हस्तिनापुर वन्य जीव विहार की सीमाओं के सुव्यवस्थीकरण किये जाने हेतु लेखपाल/नायब तहसीलदार, तहसीलदार एवं वन्य जीव विहार की भूमि से संबंधित विभाग के अधिकारीगण की तहसील स्तरीय टीम बनाकर अग्रिम कार्यवाही

की जाये। उक्त संबंध में उप जिलाधिकारी, धनौरा द्वारा अपने कार्यालय के पत्रांक 709(8)/आ0लि0/2021-22 दिनांक 16-06-2021 के माध्यम से सुव्यवस्थीकरण कार्य हेतु तहसीलदार धनौरा की अध्यक्षता में क्षेत्रीय वनाधिकारी धनौरा, चकबन्दी अधिकारी धनौरा, नायब तहसीलदार धनौरा, सहायक चकबन्दी अधिकारी धनौरा एवं संबंधित क्षेत्रीय लेखपालों की टीम गठित की गयी।

सुव्यवस्थीकरण कार्य हेतु गठित संयुक्त टीम द्वारा मौके पर जाकर सर्वे कार्य प्रारम्भ किया गया तथा भारतीय वन्यजीव संस्थान देहरादून द्वारा उपलब्ध कराये गये अक्षांश एवं देशान्तर के अनुसार हरितनापुर वन्यजीव विहार की सीमा के सुव्यवस्थीकरण हेतु 58 ग्रामों के सीमा स्तम्भ चिन्हित करने पर 14 अतिरिक्त ग्रामों का भी कुछ क्षेत्रफल सीमा के अन्तर्गत सम्मिलित होना पाया गया। इस प्रकार कुल 72 ग्रामों का क्षेत्रफल सीमा के अन्तर्गत सम्मिलित होना पाया गया।

उपरोक्त अतिरिक्त 14 ग्रामों की उद्घोषणा वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-21 (सहपठित) धारा-19 के अन्तर्गत दिनांक 10-08-2021 को की गयी तथा उक्त उद्घोषणा का प्रकाशन दिनांक 12-08-2021 को दैनिक सनाचार पत्र, अमर उजाला, हिन्दुस्तान व दैनिक जागरण में कराया गया। 58 ग्रामों की सूची दिनांक 19-06-2021 को ही प्रकाशित करा दी गयी थी तथा यह भी सूचित किया गया था कि वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-21 (सहपठित) धारा-19 के अंतर्गत हरितनापुर वन्यजीव विहार की सीमा के सुव्यवस्थीकरण के संबंध में उद्घोषणा निर्गत की जाती है कि संलग्न सूची में 72 वर्णित ग्रामों में यदि प्रस्तावित अभ्यारण्य के सुव्यवस्थीकरण की सीमाओं के अंतर्गत आने वाले क्षेत्र पर किसी को कोई आपत्ति या किसी प्रकार का कोई स्वत्व अधिकार या अवधान अन्तर्निहित हो तो घोषणा प्रकाशित होने की तिथि से दो माह की अवधि में अधोहस्ताक्षरी के सम्मुख निर्धारित प्रपत्र में आपत्ति प्रस्तुत कर सकता है।

उक्त सम्बन्ध में 08 ग्राम के ग्रामीणों द्वारा अपने ग्रामों को हरितनापुर वन्य जीव अभ्यारण्य की सीमा में शामिल न किये जाने हेतु आपत्ति प्रस्तुत की गयी, जिनका विवरण निम्न प्रकार है:-

क्र० सं०	आपत्तिकता का नाम, पिता का नाम व निवास स्थान	आपत्ति का संक्षिप्त विवरण	आपत्ति का निस्तारण
1	पवन किशोर शर्मा पुत्र श्री बलवीर प्रसाद शर्मा आदि निवासीगण गंगाधाम तिगरी	प्रार्थीगणों के द्वारा दिये गये प्रार्थना पत्र में उद्वेगित कराया गया है कि गंगाधाम तिगरी पर प्रत्येक वर्ष कार्तिक पूर्णिमा को प्राचीन काल से गंगा नदी के दोनों तटों पर 15 दिनों के लिए ऐतिहासिक मेला लगता है, इस मेले को सरकारी मेला घोषित किया जा चुका है। गंगा नदी पर क्षेत्रीय लोग अपने पूर्वजों का दाह संस्कार करने भारी तादात में प्रतिदिन आते हैं, तिगरी गांव हापुड, पिलाखुआ विकास प्राधिकरण के अन्तर्गत आता है। तिगरी सेन्चुरी क्षेत्र में होने के कारण प्राधिकरण व अन्य एजेन्सी के द्वारा कोई विकास कार्य नहीं कराया जाता है। अन्त में प्रार्थीगणों द्वारा इस ग्राम को सेन्चुरी से मुक्त करने की प्रार्थना की गयी है।	ग्राम तिगरी एवं लठीरा सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के काम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। क्षेत्रीय वनाधिकारी, धनौरा द्वारा अवगत कराया गया कि यह क्षेत्र गंगा धाम तिगरी हरितनापुर वन्यजीव विहार के अन्तर्गत आता है। गंगा नदी के किनारे ग्राम तिगरी में पूर्व काल से कार्तिक गंगा स्नान का मेला लगता आ रहा है। गंगाधाम तिगरी में प्रत्येक वर्ष कार्तिक पूर्णिमा को गंगा नदी के दोनों तटों पर श्रद्धालुओं द्वारा काफी बड़ा मेला लगाये जाने व श्रद्धालुओं की भावनाओं को दृष्टिगत रखते हुए व इसकी देखभाल प्रशासन के द्वारा किये जाने के कारण ग्राम तिगरी एवं लठीरा के उस भाग को सेन्चुरी / वन्य जीव विहार की सीमा से बाहर रखने की संस्तुति की जाती है, जहाँ पर तिगरी मेला का आयोजन प्रत्येक वर्ष होता है। गंगा नदी के किनारे ग्राम तिगरी में पूर्व काल से कार्तिक गंगा स्नान का मेला लगता आ रहा है। ग्रामवासियों के आपत्ति के आधार पर ग्राम तिगरी में अन्य राजकीय विभाग की भूमि 41.41 हे० में 41.41 हे० एवं 643.11 हे० कृषि भूमि में 65.00 हे० अर्थात् कुल 768.20 हे० में 108.41 हे० भूमि एवं तिगरी गंगा मेला की भूमि ग्राम लठीरा में भी होने के कारण कुल 329.14 हे० भूमि में से 165.908 हे० भूमि वन्यजीव विहार से बाहर रहेगी। तदनुसार तिगरी मेले हेतु ग्राम तिगरी एवं लठीरा ग्राम से कुल 272.318 हे० भूमि अभ्यारण्य क्षेत्र से बाहर कर दी गयी है। अतः आपत्ति स्वीकार योग्य होने के कारण स्वीकार की जाती है तथा उक्त ग्राम तिगरी एवं लठीरा की आंशिक भूमि क्षेत्रफल 272.318 हे० हरितनापुर वन्य जीव विहार की सीमा से बाहर की जाती है। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।
2	निरोज ग्राम प्रधान ग्राम पंचायत जयथल मुस्तहकम ग्राम जयथल मुस्तहकम,	प्रार्थीगणों के द्वारा दिये गये प्रार्थनापत्र में अवगत कराया गया है कि वर्तमान में वन्य जीव अभ्यारण्य की सीमा कम कर दी गयी है, जिसमें 58 गांव ही हरितनापुर वन्य जीव अभ्यारण्य में रह जायेंगे। इसमें धनौरा तहसील की ग्राम पंचायत शाहजहाँपुर छत	ग्राम पंचायत जयथल मुस्तहकम, ग्राम शाहजहाँपुर छत एहतमाली, चान्दरा एहतमाली, चान्दरा मुस्तहकम सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य

<p>शाहजहापुर छात एहतमाली।</p>	<p>एहतमाली को भी शामिल किया गया है, जिसको हस्तिनापुर वन्य जीव विहार की सीमा में सम्मिलित किया जाता है तो राजकीय कार्यों के साथ अन्य कार्यों जैसे सड़क निर्माण आदि कार्य करने में कठिनाईयां उत्पन्न होगी और विकास का कार्य रूक जायेगा। अन्त में प्रार्थीगणों द्वारा ग्राम पंचायत जयथल मुस्तकम को हस्तिनापुर वन्य जीव विहार की सीमा से बाहर करने की प्रार्थना की गयी है।</p>	<p>पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के क्रम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हस्तिनापुर वन्य जीव विहार की सीमा में उपरोक्त क्रम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
<p>3 प्रधान ग्राम पंचायत वाजिदपुर व अन्य ग्रामवासी</p>	<p>वर्तमान में वन्य जीव अभ्यारण्य की सीमा कम कर दी गयी है, जिसमें 58 गांव ही हस्तिनापुर वन्य जीव अभ्यारण्य में रह जायेगे। इसमें धनौरा तहसील की ग्राम पंचायत वाजिदपुर को भी शामिल किया गया है, जिसको हस्तिनापुर वन्य जीव की सीमा में सम्मिलित किया जाता है तो इसमें सड़क निर्माण आदि बनाने में कठिनाईयां उत्पन्न होगी। वाजिदपुर ग्राम पंचायत को गाटा संख्या से गजट किया जाये। ग्राम पंचायत के पूरे रकबे को ना लिया जाये तथा पिलर से पिलर की दूरी में आने वाले गाटो का गजट किया जाये। अन्त में ग्राम पंचायत वाजिदपुर को हस्तिनापुर वन्य जीव विहार की सीमा से बाहर रखने की प्रार्थना की गयी है।</p>	<p>ग्राम पंचायत वाजिदपुर सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के क्रम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हस्तिनापुर वन्य जीव विहार की सीमा में उपरोक्त क्रम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
<p>4 ग्रामवासी ग्राम शाहजहापुर छात एहतमाली व ग्राम प्रधान जयथल मुस्तकम</p>	<p>प्रधान ग्राम पंचायत जयथल मुस्तकम आदि ग्रामवासियों के द्वारा कहा गया है कि वर्तमान में वन्य जीव अभ्यारण्य की सीमा कम कर दी गयी है, जिसमें 58 गांव ही हस्तिनापुर वन्य जीव अभ्यारण्य में ही रह जायेगे। इसमें धनौरा तहसील की ग्राम पंचायत शाहजहापुर छात 90 भी शामिल किया गया है, जिसको हस्तिनापुर वन्य जीव की सीमा में सम्मिलित किया जाता है तो राजकीय कार्यों के साथ साथ इसमें सड़क निर्माण आदि बनाने में कठिनाईयां उत्पन्न होगी। ग्राम पंचायत के पूरे रकबे को ना लिया जाये तथा पिलर से पिलर की दूरी में आने वाले गाटो का गजट किया जाये। अन्त में ग्राम पंचायत जयथल मुस्तकम को हस्तिनापुर वन्य जीव विहार की सीमा से बाहर रखने की प्रार्थना की गयी है।</p>	<p>ग्राम पंचायत जयथल मुस्तकम सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के क्रम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हस्तिनापुर वन्य जीव विहार की सीमा में उपरोक्त क्रम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
<p>5 प्रार्थीगण ग्रामवासीगण ग्राम जयथल मुस्तकम चान्दरा</p>	<p>प्रार्थीगण ग्रामवासी जयथल मुस्तकम, आदि के द्वारा कहा गया है कि वर्तमान में वन्य जीव अभ्यारण्य की सीमा कम कर दी गयी है जिसमें 58 गांव ही हस्तिनापुर वन्य जीव</p>	<p>ग्राम जयथल मुस्तकम, चान्दरा मुस्तकम, चान्दरा एहतमाली सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान</p>

	<p>मुस्तकम, चान्दरा एहतमाली</p>	<p>अभ्यारण्य में रह जायेंगे। इसमें धनौरा तहसील की ग्राम पंचायत चान्दरा मुस्तकम, चान्दरा एहतमाली भी शामिल किया गया है, जिसको हरितनापुर वन्य जीव की सीमा में सम्मिलित किया जाता है तो राजकीय कार्यों के साथ साथ इसमें सड़क निर्माण आदि कार्य कराने में कठिनाईयां उत्पन्न होगी। ग्राम पंचायत के पूरे रकबे को ना लिया जाये तथा पिलर से पिलर की दूरी में आने वाले गाटो का गजट किया जाये। अन्त में ग्राम पंचायत जयथल मुस्तकम को हरितनापुर वन्य जीव विहार की सीमा से बाहर रखने की प्रार्थना की गयी।</p>	<p>(Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के कम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हरितनापुर वन्य जीव विहार की सीमा में उपरोक्त कम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
6	<p>प्रार्थीगण ग्रामवासीगण ग्राम जयथल मुस्तकम</p>	<p>प्रार्थीगण ग्राम वासी जयथल मुस्तकम, आदि के द्वारा कहा गया है कि वर्तमान में वन्य जीव अभ्यारण्य की सीमा कम कर दी गयी है, जिसमें 58 गाव ही हरितनापुर वन्य जीव अभ्यारण्य में रह जायेंगे। इसमें धनौरा तहसील की ग्राम पंचायत जयथल मुस्तकम, जयथल एहतमाली भी शामिल किया गया है, जिसको हरितनापुर वन्य जीव की सीमा में सम्मिलित किया जाता है तो राजकीय कार्यों के साथ साथ इसमें सड़क निर्माण आदि कार्य कराने में कठिनाईयां उत्पन्न होगी। ग्राम पंचायत के पूरे रकबे को ना लिया जाये तथा पिलर से पिलर की दूरी में आने वाले गाटो का गजट किया जाये। अन्त में ग्राम पंचायत जयथल मुस्तकम को हरितनापुर वन्य जीव विहार की सीमा से बाहर रखने की प्रार्थना की गयी है।</p>	<p>ग्राम जयथल मुस्तकम सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के कम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हरितनापुर वन्य जीव विहार की सीमा में उपरोक्त कम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
7	<p>प्रार्थीगण ग्राम रुरतमपुर/रफायतपुर</p>	<p>प्रार्थीगण के द्वारा कहा गया है कि ग्राम रुरतमपुर /रफायतपुर का नाम 58 ग्रामों में शामिल नहीं है, परन्तु इसके बाद भी सेन्चुरी के पिलरों के निशान हमारे ग्राम रुरतमपुर/रफायतपुर में वन विभाग के कर्मचारियों व तहसील धनौरा के कर्मचारियों द्वारा यह कह कर लगाये गये है कि पिलर अक्षांश व देशान्तर के अनुसार लगाये जा रहे है। अन्त में इस ग्राम को हरितनापुर वन्य जीव विहार क्षेत्र के नवीन निर्धारण से बाहर रखने के आदेश पारित करने को कहा गया है।</p>	<p>ग्राम रुरतमपुर/रफायतपुर सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India) देहरादून द्वारा उत्तर प्रदेश राज्य पशु बारहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के कम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्थीकरण हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल है। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हरितनापुर वन्य जीव विहार की सीमा में उपरोक्त कम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
8	<p>श्रीमती अनीता ग्राम प्रधान शरीफपुर शुमाली व अन्य ग्रामवासी</p>	<p>प्रधान ग्राम पंचायत शरीफपुर शुमाली व अन्य ग्रामवासियों द्वारा कहा गया है कि धनौरा तहसील की ग्राम पंचायत शरीफपुर शुमाली को भी शामिल किया जाता है, तो</p>	<p>ग्राम शरीफपुर शुमाली सहित 58 ग्रामों को वन्य जीव अभ्यारण्य की सीमा के सुव्यवस्थीकरण (Rationalization) में शामिल किये जाने हेतु भारतीय वन्यजीव संस्थान (Wildlife Institute of India)</p>

	<p>राजकीय कार्यों के साथ साथ इसमें सड़क निर्माण आदि कार्य करने में कठिनाईयां उत्पन्न होगी। पिलर से पिलर की दूरी में आने वाले गाटों का गजट किया जाये। अन्त में ग्राम पंचायत शरीफपुर शुमाली को हस्तिनापुर वन्य जीव विहार की सीमा से बाहर रखने की प्रार्थना की गयी है।</p>	<p>देहरादून द्वारा उत्तर प्रदेश राज्य पशु बाहसिंगा (swamp deer) की संख्या एवं उनके माइग्रेशन (migration) पैटर्न तथा उनके वास स्थल क्षेत्र को चिन्हित कर अभ्यारण्य की नई सुव्यवस्था के क्रम में इस जनपद के भौगोलिक क्षेत्र में अक्षांश एवं देशान्तर को निर्धारित कर 58 ग्रामों की सूची सुव्यवस्था हेतु प्रेषित की गयी, जिसमें उक्त ग्राम भी शामिल हैं। अतः आपत्ति स्वीकार योग्य न होने के कारण निरस्त की जाती है तथा उक्त ग्राम हस्तिनापुर वन्य जीव विहार की सीमा में उपरोक्त क्रम में शामिल रहेगा। उपरोक्तानुसार आपत्ति निस्तारित की जाती है।</p>
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उक्त 08 आपत्तियों में से 07 आपत्तियां स्वीकार योग्य नहीं पायी गयी तत्कम में उक्त 07 आपत्तियों को निरस्त कर दिया गया। शेष 01 आपत्ति जो कि ग्राम गंगा धाम तिगरी के ग्रामीणों श्री पवन किशोर शर्मा पुत्र श्री बलवीर प्रसाद शर्मा, श्री जितेन्द्र शर्मा पुत्र श्री धर्मपाल शर्मा, श्री नृपेन्द्र पुत्र श्री गजेन्द्र सिंह आदि द्वारा गंगा धाम तिगरी को हस्तिनापुर वन्य जीव अभ्यारण्य में शामिल न किये जाने हेतु प्रार्थना पत्र प्रस्तुत किया गया, जिसे स्वीकार योग्य पाये जाने के कारण स्वीकार किया गया।

क्षेत्रीय वनाधिकारी, धनौरा द्वारा अवगत कराया गया कि यह क्षेत्र गंगा धाम तिगरी हस्तिनापुर वन्यजीव विहार के अन्तर्गत आता है। गंगा नदी के किनारे ग्राम तिगरी में पूर्व काल से कार्तिक गंगा स्नान का मेला लगता आ रहा है। ग्रामवासियों की आपत्ति के आधार पर ग्राम तिगरी के 106.410 हे० एवं ग्राम लठीरा के 165.908 हे० क्षेत्र को वन्यजीव विहार की सीमा से बाहर रखा गया है, जिसका विवरण निम्न प्रकार है -

ग्राम लठीरा ऐ०, के ऐसे गाटा संख्या का विवरण जिन्हें वन्यजीव विहार की सीमा से बाहर रखा गया					
ग्राम - लठीरा ऐहतमाली			तहसील - धनौरा		
क्र० सं०	गाटा सं०	क्षेत्रफल (हे०)	क्र० सं०	गाटा सं०	क्षेत्रफल (हे०)
1	1	113.108	21	79	0.425
2	45	0.513	22	80	0.763

3	47	0.465	23	81	2.038
4	48	0.563	24	86	2.18
5	49	4.081	25	87	0.27
6	50	1.812	26	88	0.925
7	51	0.089	27	89	0.54
8	52	1.126	28	90	2.253
9	53	0.338	29	91	1.825
10	54	1.761	30	92	1.563
11	55	1.051	31	93	0.784
12	56	1.506	32	94	0.751
13	57	0.304	33	95	0.625
14	58	0.951	34	96	0.971
15	59	0.312	35	97	0.704
16	60	0.213	36	98	1.013
17	61	1.313	37	99	1.486
18	62	1.101	38	120	0.805
19	63	1.213	39	126	1.551
20	78	0.489	40	127	1.451
क्र० सं०	गाटा सं०	क्षेत्रफल (हे०)	क्र० सं०	गाटा सं०	क्षेत्रफल (हे०)
41	128	1.44	46	133	1.025
42	129	1.076	47	134	0.506
43	130	0.253	48	135	1.051
44	131	1.525	49	137	0.545
45	132	0.951	50	138	2.304
				योग	165.908

ग्राम तिगरी, के ऐसे गाटा संख्या का विवरण जिन्हें वन्यजीव विहार की सीमा से बाहर रखा गया					
ग्राम - तिगरी			तहसील - धनौरा		
क्रम सं०	गाटा सं०	क्षेत्रफल (हे०)	क्रम सं०	गाटा सं०	क्षेत्रफल (हे०)
1	2द	9.930	18	229ग	0.100
2	2घ	7.560	19	229घ	1.090
3	226क	0.010	20	230ख	0.060
4	226ख	0.160	21	230ग	0.530
5	226ग	0.080	22	231ख	0.100
6	226ड	0.020	23	232ग	0.150
7	226च	1.320	24	237क	0.150
8	226छ	0.130	25	237ख	0.470
9	226ज	0.230	26	237घ	0.080
10	227क	0.100	27	238क	0.100
11	227ख	0.440	28	238ख	0.130
12	227ग	0.130	29	238ग	0.050
13	227छ	5.790	30	239क	0.250
14	227ज	0.050	31	239ख	0.050
15	228क	0.060	32	240क	0.050
16	228ग	0.050	33	240ख	0.140
17	229ख	0.040	34	240घ	0.050
क्रम सं०	गाटा सं०	क्षेत्रफल (हे०)	क्रम सं०	गाटा सं०	क्षेत्रफल (हे०)
35	240ड	0.050	62	267क	0.270
36	241क	0.100	63	267ख	0.580
37	241ग	0.020	64	267ग	0.360
38	242क	0.070	65	268क	0.040
39	242ग	0.020	66	268ख	0.090
40	243क	0.050	67	269क	0.060
41	243ग	0.020	68	269घ	0.020

42	244क	0.020	69	270क	0.060
43	244घ	0.020	70	270ग	0.350
44	245	0.050	71	271क	0.250
45	246क	0.030	72	271ग	0.150
46	246ग	0.040	73	271ड	0.030
47	246घ	0.030	74	272ख	0.130
48	247ख	0.050	75	274ख	0.170
49	247ग	0.100	76	274ग	0.040
50	248क	0.080	77	278क	0.100
51	249क	0.040	78	279क	0.110
52	250	0.160	79	279ख	0.130
53	251	0.080	80	280	0.330
54	252ख	0.050	81	282क	0.020
55	253ग	0.150	82	282ख	0.060
56	254	0.190	83	283क	0.190
57	256क	0.120	84	283ख	0.030
58	257क	0.130	85	284	0.170
59	257ख	0.220	86	285	0.320
60	258क	0.060	87	286	0.300
61	259क	0.010	88	287क	0.070
कम सं०	गाटा सं०	क्षेत्रफल (हे०)	कम सं०	गाटा सं०	क्षेत्रफल (हे०)
89	293क	0.260	116	303ख	0.130
90	293घ	0.120	117	304	0.030
91	294ग	0.030	118	305क	0.160
92	294घ	0.060	119	305ख	0.030
93	295क	0.110	120	305ग	0.030
94	296क	0.230	121	306	0.030
95	296ख	0.100	122	307क	0.330

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96	296ग	0.170	123	307ख	0.160
97	296घ	0.050	124	307ग	0.130
98	296ङ	0.110	125	308क	0.190
99	296ज	0.100	126	309क	0.230
100	296ट	0.070	127	310क	0.280
101	297क	0.030	128	311क	0.060
102	297ख	0.160	129	311ख	0.020
103	297ग	0.130	130	311ग	0.090
104	297घ	0.040	131	312	0.160
105	298क	0.160	132	313	0.120
106	298ख	0.030	133	314क	0.540
107	299क	0.110	134	314ख	0.090
108	299ख	0.090	135	315क	0.140
109	300क	0.440	136	315ख	0.010
110	300ख	0.040	137	316क	0.020
111	301	0.140	138	317क	0.050
112	302क	0.040	139	317ख	0.010
113	302ख	0.020	140	318क	0.010
114	302घ	0.080	141	318ख	0.140
115	303क	0.040	142	319क	0.080
कम सं०	गाटा सं०	क्षेत्रफल (हे०)	कम सं०	गाटा सं०	क्षेत्रफल (हे०)
143	319ख	0.020	170	340घ	0.050
144	319ग	0.040	171	340ङ	0.130
145	320क	0.100	172	340ज	0.080
146	320ख	0.190	173	340ज	0.050
147	320ग	0.010	174	340ट	0.390
148	321	0.080	175	340ठ	0.060
149	322	0.060	176	340ड	0.360

150	323क	0.030	177	340ण	1.310
151	323ख	0.070	178	340त	0.240
152	324	0.130	179	341	0.040
153	325	0.090	180	342	0.050
154	326	0.100	181	343	0.030
155	327	0.090	182	344	0.200
156	328	0.080	183	345क	0.190
157	329क	0.060	184	347क	0.070
158	329ख	0.060	185	348क	0.050
159	330	0.150	186	350क	0.040
160	331	0.070	187	353क	0.260
161	332क	0.150	188	355क	0.070
162	335	0.140	189	355ख	0.170
163	336	0.150	190	356क	0.060
164	337क	0.080	191	357	0.310
165	337ग	0.010	192	358क	0.060
166	338क	0.010	193	359क	0.160
167	339ग	0.030	194	365ख	0.100
168	340क	0.260	195	366क	0.050
169	340घ	0.300	196	366ख	0.050
कम सं०	गाटा सं०	क्षेत्रफल (हे०)	कम सं०	गाटा सं०	क्षेत्रफल (हे०)
197	367	0.110	224	396घ	0.680
198	368क	0.060	225	396ङ	0.230
199	369	0.050	226	396च	0.200
200	370क	0.040	227	396छ	0.160
201	373	0.280	228	396ज	0.100
202	375क	0.300	229	396झ	0.040
203	375ख	0.200	230	397	0.100

204	376क	0.230	231	398	0.130
205	378	0.460	232	399क	0.030
206	379क	0.060	233	399ग	0.250
207	379ख	0.050	234	399घ	0.070
208	381ग	0.060	235	400	0.050
209	382क	0.030	236	401ग	0.060
210	384ख	0.090	237	402क	0.150
211	386क	0.050	238	402ग	0.140
212	387क	0.030	239	402घ	0.030
213	387ख	0.260	240	403क	0.070
214	388क	0.150	241	404	0.200
215	390क	0.140	242	406ड	0.100
216	392क	0.290	243	408ख	0.060
217	392ख	0.570	244	409ख	0.050
218	393क	0.050	245	410क	0.110
219	393ख	0.230	246	410ख	0.320
220	394क	0.080	247	411क	0.080
221	394ख	0.520	248	411ख	0.220
222	396ख	0.800	249	423ख	0.160
223	398ग	0.100	250	423घ	0.800
कम सं०	गाटा सं०	क्षेत्रफल (हे०)	कम सं०	गाटा सं०	क्षेत्रफल (हे०)
251	430	0.490	278	433ल	0.310
252	433क	3.920	279	433ब	0.360
253	433ख	1.440	280	433श	0.350
254	433घ	0.040	281	433व	0.320
255	433ड	0.270	282	434क	0.270
256	433घ	0.120	283	434ख	0.250
257	433ड	0.140	284	434ग	0.200

258	433ज	0.090	285	435ख	1.940
259	433झ	0.220	286	435ग	0.380
260	433ञ	0.070	287	435घ	0.190
261	433ट	2.840	288	435ड	0.290
262	433ठ	2.160	289	435ज	5.840
263	433ड	0.700	290	435झ	0.540
264	433ढ	0.050	291	435ञ	0.480
265	433ण	0.140	292	435ट	1.200
266	433त	0.210	293	435ठ	0.040
267	433थ	0.230	294	435ड	0.020
268	433द	0.150	295	435ढ	0.040
269	433ध	0.240	296	435ण	0.530
270	433न	0.660	297	435त	2.030
271	433प	0.290	298	435थ	0.640
272	433फ	0.400	299	435द	0.300
273	433ब	0.270	300	435ध	0.260
274	433भ	0.120	301	436क	0.160
275	433म	0.380	302	436ख	0.100
276	433य	0.750	303	436ग	0.100
277	433र	0.440	304	437क	0.600
कम सं०	गाटा सं०	क्षेत्रफल (हे०)	कम सं०	गाटा सं०	क्षेत्रफल (हे०)
305	437ख	0.150	323	443ड	0.170
306	438क	0.100	324	443घ	0.050
307	438ख	1.460	325	444क	0.200
308	439क	0.150	326	446ख	0.080
309	439ख	0.690	327	447क	0.390
310	439ग	0.040	328	447घ	0.950
311	439ध	0.100	329	447च	0.950

312	441क	0.270	330	447छ	1.250
313	441ग	0.020	331	447ज	1.000
314	441घ	0.160	332	447झ	0.170
315	441ड	0.150	333	447ञ	0.420
316	441ण	0.390	334	448क	0.560
317	441त	0.050	335	448ख	0.700
318	442क	0.250	336	448घ	0.250
319	442ख	0.030	337	449क	0.200
320	442ग	0.120	338	449ख	0.250
321	442घ	0.030	339	449ग	0.320
322	443ग	0.430		कुल योग	106.410

1- हस्तिनापुर वन्य जीव विहार सुव्यवस्थीकरण कार्य के अन्तर्गत वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-18 से 25 तक पूर्ण की गयी कार्यवाही के बाद हस्तिनापुर वन्य जीव विहार की सीमाएं निम्न प्रकार होगी :-

पूरब:- तहसील धनौरा में स्थित {ग्राम सुनपुरा, कादराबाद, वलीपुर (आंशिक) व फिरोजपुर बगद (आंशिक), जयथल मुस्तकम (आंशिक) एवं शेरपुर मुस्तकम (आंशिक) व मोहसनपुर} ग्रामों की बाहरी सीमा व कांकाठेर पिलर सं० 95 तक पूर्व दिशा।

- 1- मोहसनपुर - N-29° 2' 17.882, E-78° 7' 30.164
- 2- जयथल मुस्तकम - N-28° 59' 14.071, E-78° 8' 49.074
- 3- शेरपुर मुस्तकम - N-28° 58' 39.660, E-78° 8' 06.046
- 4- कादराबाद - N-28° 54' 47.772, E-78° 10' 32.412
- 5- वलीपुर - N-28° 55' 24.243, E-78° 10' 51.479
- 6- फिरोजपुर बगद - N-28° 54' 23.334, E-78° 11' 32.244
- 7- सुनपुरा खुर्द - N-28° 51' 34.023, E-78° 9' 46.890
- 8- कांकाठेर - N-28° 47' 56.181, E-78° 10' 37.010

पश्चिम:- तहसील धनौरा जिला अमरोहा के ग्राम लठीरा एहतमाली, फरीदपुर एहतमाली व गंगा नदी की बाहरी सीमा तथा जिला मेरठ व हापुड़ की सीमा तक।

उत्तर:-तहसील धनौरा जिला अमरोहा के ग्राम रसूलपुर भांवर एहतमाली व रसूलपुर भांवर मुस्तकम की बाहरी सीमा जिला बिजनौर की सीमा तक। N-29° 3' 51.721, E-78° 09' 46.890

दक्षिण:-पिलर सं० 95 से दिल्ली-बरेली रेलवे लाईन की बायीं पटरी, कि०मी० 50 से 56 तक व तहसील हसनपुर जिला अमरोहा के ग्राम जगदेपुर एहतमाली की बाहरी सीमा जनपद हापुड़ की सीमा तक। N- 28° 47' 12.995, E- 78° 10' 06.839

2- हरितनापुर वन्य जीव विहार सुव्यवस्थीकरण कार्य के अन्तर्गत वन्यजीव (संरक्षण) अधिनियम-1972 की धारा-18 से 25 तक पूर्ण की गयी कार्यवाही के उपरान्त हरितनापुर वन्य जीव विहार की सीमा में निम्नलिखित 58 पूर्ण ग्राम जिसमें तहसील धनौरा के 54 ग्राम व तहसील हसनपुर के 04 ग्राम सम्मिलित हैं, जिनका ग्रामवार एवं क्षेत्रफलवार विवरण निम्न प्रकार है:-

हरितनापुर वन्य जीव विहार में सम्मिलित 54 पूर्ण ग्रामों की भूमि का ग्रामवार विवरण									
क्र० सं०	तहसील का नाम	ग्राम का नाम	वन भूमि	वन्यजीव विहार की भूमि	अन्य राजकीय भूमि	कृषि भूमि	बन्दोबरत प्रकिया के अधीन ग्रामों की भूमि	योग (हे०गे०)	टिप्पणी
1	2	3	4	5	6	7	8	9	10
1	धनौरा	आगापुर खुर्द	0.000	0.000	1.020	50.180	0.000	51.200	-
2	धनौरा	अलीनगर	0.000	0.000	2.357	92.233	0.000	94.590	--
3	धनौरा	वाजिदपुर	0.000	0.000	13.127	264.557	0.000	277.684	-
4	धनौरा	बसन्तपुर एहतमाली	0.000	0.000	0.000	0.000	323.295	323.295	ग्राम बसन्तपुरी प्रकिया के अर्जावा है, इसलिए वर्तमान में भूवार भूमि विवरण उपलब्ध नहीं है। बसन्तपुरी प्रकिया में आवंटित भूदा की समस्त भूमि हरितनापुर वन्य जीव विहार में सम्मिलित रहेगी।
5	धनौरा	बसन्तपुर मुस्तहकम	0.000	75.280	13.940	49.450	0.000	138.670	-
6	धनौरा	वसी एहतमाली	154.650	5.730	2.270	55.537	0.000	218.187	--
7	धनौरा	बरतौरा रानी	450.420	0.000	6.490	12.070	0.000	468.980	--
8	धनौरा	बेगमपुर	0.000	0.000	8.570	42.830	0.000	51.400	-
9	धनौरा	वसी मुस्तहकम	0.000	19.310	4.791	308.645	0.000	332.746	-
10	धनौरा	भोगपुर एहतमाली	0.000	0.000	95.940	398.900	0.000	494.840	-
11	धनौरा	भोजपुरा	0.000	0.000	2.015	50.334	0.000	52.349	-
12	धनौरा	विसावली एहतमाली	350.050	0.000	3.060	56.670	0.000	409.780	--
13	धनौरा	विसावली मुस्तहकम	0.000	0.000	15.480	146.979	0.000	162.459	-
14	धनौरा	चकनवाला एहतमाली	84.980	300.980	6.000	495.120	0.000	888.080	--
15	धनौरा	चकनवाला मुस्तहकम	0.000	0.000	13.939	398.195	0.000	412.134	-
16	धनौरा	घान्दरा एहतमाली	0.000	0.000	0.032	20.482	0.000	20.514	-
17	धनौरा	घान्दरा मुस्तहकम	0.000	0.000	0.000	0.000	200.187	200.187	ग्राम चकनवाली प्रकिया के

									अनुसूचित क्षेत्रों में विकास के लिए धन सहायता के अभाव में विकास कार्य नहीं हो पाया है।
18	धनौरा	चुडियाला	15.780	0.000	1.910	79.310	0.000	97.000	—
19	धनौरा	दारानगर एहतमाली	82.990	0.000	31.35	254.225	0.000	368.565	—
20	धनौरा	दारानगर मुस्तहकम	0.000	0.000	5.640	103.388	0.000	109.028	—
21	धनौरा	दयावली गुन्जबता	0.000	0.000	3.890	251.210	0.000	255.100	—
22	धनौरा	धलैण्डा एहतमाली	0.000	27.250	1.160	184.598	0.000	213.008	—
23	धनौरा	फरीदपुर एहतमाली	0.000	0.000	0.000	0.000	197.089	197.089	ग्राम विकास के अभाव में विकास कार्य नहीं हो पाया है।
24	धनौरा	गडावली एहतमाली	0.000	0.000	16.42	170.580	0.000	187.000	—
25	धनौरा	गुलालपुर एहतमाली	58.275	89.930	0.000	520.765	0.000	668.970	—
26	धनौरा	गुलालपुर मुस्तहकम	0.000	0.000	10.927	52.763	0.000	63.690	—
27	धनौरा	हाशामपुर खादर	0.000	5.280	2.330	110.650	0.000	118.260	—
28	धनौरा	ईश्वरदेवा	65.190	0.000	1.560	100.768	0.000	167.518	—
29	धनौरा	जलालनगर उर्फ रायअन्दाजपुर	138.820	22.070	2.200	4.140	0.000	167.230	—
30	धनौरा	जयधल एहतमाली	0.000	0.516	0.264	41.524	0.000	42.304	—
31	धनौरा	कादराबाद	0.000	0.000	0.000	0.000	336.459	336.459	ग्राम विकास के अभाव में विकास कार्य नहीं हो पाया है।
32	धनौरा	मीरापुर एहतमाली	172.730	13.620	0.870	251.704	0.000	438.924	—
33	धनौरा	मोहसनपुर	0.000	11.285	5.455	168.979	0.000	185.719	—
34	धनौरा	मुकारमपुर एहतमाली	941.800	0.000	0.400	22.230	0.000	964.430	—
35	धनौरा	मुकारमपुर मुस्तहकम	275.710	3.768	5.513	289.908	0.000	574.899	—
36	धनौरा	पपसरा खादर	0.000	0.000	10.922	221.450	0.000	232.372	—
37	धनौरा	रायवानादल्लीपुर	796.360	0.000	41.450	146.300	0.000	984.110	—
38	धनौरा	रामपुर खादर मुस्तहकम, निकट वाजिदपुर	0.000	0.000	0.880	19.560	0.000	20.440	—

39	धनौरा	रामपुर खादर एहतमाली (रम्पुरा खादर एहतमाली)	359.770	0.000	7.300	58.899	0.000	425.969	-
40	धनौरा	रामपुर खादर मुस्तहकम (रम्पुरा खादर मुस्तहकम)	139.590	0.000	4.277	182.450	0.000	326.317	-
41	धनौरा	रुस्तमपुर छात एहतमाली	130.880	0.000	2.060	32.640	0.000	165.580	--
42	धनौरा	रसूलपुर भावर एहतमाली	675.160	0.000	91.769	659.954	0.000	1426.883	--
43	धनौरा	रसूलपुर भावर मुस्तहकम	383.810	0.000	233.222	178.196	0.000	795.228	-
44	धनौरा	श्यामपुर	0.000	0.000	0.310	62.140	0.000	62.450	-
45	धनौरा	सरायकाजी	0.000	0.000	1.714	132.142	0.000	133.856	-
46	धनौरा	शाहजहापुर छात एहतमाली	586.400	0.000	0.000	0.000	198.580	784.980	ग्राम चक्रवर्ती प्रक्रिया के अर्थात् है, इसलिए वर्तमान में भदवार भूमि विवरण उपलब्ध नहीं है। चक्रवर्ती प्रक्रिया में अवहित मर्दा की समस्त भूमि इस्तिनापुर बन्ध जीव विहार में सम्मिलित रहेगी।
47	धनौरा	शरीफपुर शुमाली	54.250	0.000	33.230	456.929	0.000	544.409	--
48	धनौरा	शेरपुर एहतमाली	0.000	0.000	0.666	15.551	0.000	16.217	-
49	धनौरा	सिहाली मेव एहतमाली	0.000	0.000	14.680	53.240	0.000	67.920	-
50	धनौरा	सिहाली मेव मुस्तहकम	0.000	0.000	15.822	85.171	0.000	100.993	-
51	धनौरा	सीकरी खादर (सरकडी खादर)	0.000	0.000	9.980	133.442	0.000	143.422	-
52	धनौरा	सुनपुरा खुर्द	0.000	0.000	5.524	86.605	0.000	92.129	--
53	धनौरा	लठीरा ऐ०	0.000	0.000	0.000	0.000	163.232	163.232	ग्राम चक्रवर्ती प्रक्रिया के अर्थात् है, इसलिए वर्तमान में भदवार भूमि विवरण उपलब्ध नहीं है। चक्रवर्ती प्रक्रिया में अवहित मर्दा की समस्त भूमि इस्तिनापुर बन्ध जीव विहार में सम्मिलित रहेगी। सिंगरी गंगा में ले की भूमि लठीरा प्राय में भी होने के कारण कुल 329.14 हे० भूमि में से 165.808 हे० भूमि यन्वजीव विहार में बाँट रहेगी।

54	धनौरा	तिगरी	0.000	103.250	29.840	526.700	0.000	659.790	ग्राम तिगरी व प्रथम वर्ग ऐतिहासिक धर्मिज क्षेत्र सम्मिलित है, जिनमें साठों अज्ञात शामिल होते हैं। गामदारियों के आगति के आधार पर अन्य राजकीय विभाग की भूमि 41.41 हे से से 41.41 हे ए 843.11 हे भूमि में से 85.500 हे अर्थात् कुल 788.20 हे से 108.40 हे भूमि को हस्तिनापुर वन्य जीव अभयारण्य से गहर कर दिया गया है।
कुल योग			5917.615	678.269	782.566	8101.293	1418.842	16898.585	

नोट:- यदि इन मदों की भूमि का कोई वाद मा0 न्यायालय में विचाराधीन है तो मा0 न्यायालय के निर्णय के उपरान्त यह भूमि स्वतः हस्तिनापुर वन्यजीव विहार में सम्मिलित हो जायेगी।

तहसील हसनपुर

4 पूर्ण गांव हस्तिनापुर वन्य जीव विहार में सम्मिलित होने वाली भूमि का ग्रामवार विवरण									
क्र० सं०	तहसील का नाम	ग्राम का नाम	वन भूमि	वन्य जीव विहार की भूमि	अन्य राजकीय भूमि	कृषि भूमि	बन्दोबस्त प्रक्रिया के अधीन ग्रामों की भूमि	योग (हे०में)	टिप्पणी
1	2	3	4	5	6	7	8	9	10
1	हसनपुर	ओसिता एहतमाली	0.000	0.000	16.700	100.790	0.000	117.490	-
2	हसनपुर	ओसिता गुरतहकम	0.000	0.000	7.420	121.310	0.000	128.730	-
3	हसनपुर	कांकाठेर	0.000	0.000	57.542	416.718	0.000	474.260	-
4	हसनपुर	जगदेपुर एहतमाली	0.000	0.000	73.195	288.785	0.000	361.980	-
योग			0.000	0.000	154.857	927.603	0.000	1082.460	

नोट:- यदि इन मदों की भूमि का कोई वाद मा0 न्यायालय में विचाराधीन है तो मा0 न्यायालय के निर्णय के उपरान्त यह भूमि स्वतः हस्तिनापुर वन्यजीव विहार में सम्मिलित हो जायेगी।

3- हस्तिनापुर वन्य जीव विहार की सीमा को चिह्नित करने पर 58 ग्रामों का समस्त क्षेत्रफल व 14 ग्रामों में से दो ग्रामों का एक ही मजरा होने के कारण उपरोक्त में से 13 राजस्व ग्रामों का कुछ आंशिक क्षेत्रफल पिलर से पिलर को मिलाने पर जो गाटा संख्या रेखा से कटी है, उन गाटा संख्याओं का पूर्ण क्षेत्रफल सम्मिलित किया गया है। हस्तिनापुर वन्य जीव विहार सुव्यवस्थीकरण कार्य के अन्तर्गत वन्य जीव (संरक्षण) अधिनियम-1972 की धारा-18 से 25 तक पूर्ण की गयी कार्यवाही के उपरान्त वन्य जीव विहार की सीमा में निम्नलिखित 13 आंशिक ग्राम सम्मिलित है, जिनका ग्रामवार एवं क्षेत्रफलवार विवरण निम्न प्रकार है :-

13 आंशिक ग्रामों का हस्तिनापुर वन्य जीव विहार में सम्मिलित होने वाली भूमि का ग्रामवार विवरण									
क्र० सं०	तहसील का नाम	ग्राम का नाम	वन भूमि	वन्य जीव विहार की भूमि	अन्य राजकीय भूमि	कृषि भूमि (हे० में)	वन्य जीव प्रकृषा के अर्हीन ग्रामों की भूमि	योग (हे० में)	टिप्पणी
1	2	3	4	5	6	7	8	9	10
1	धनौरा	पपसरी खादर	0.000	0.000	10.718	238.692	0.000	249.410	--
2	धनौरा	इब्राहीम भाफी	0.000	0.000	9.431	50.763	0.000	60.	--
3	धनौरा	आजमपुर	0.000	0.000	0.000	0.000	55.005	55.005	ग्राम चकमन्दी प्रकृषा के अन्तर्गत है। वन्यजीव प्रकृषा में आरक्षित उपरोक्त मर्दों की समस्त भूमि हस्तिनापुर वन्य जीव विहार में सम्मिलित रहेगी।
4	धनौरा	रुस्तमपुर / रफायतपुर	0.000	0.150	3.095	162.075	0.000	165.320	--
5	धनौरा	जयधल मु०	127.930	13.036	1.906	198.696	0.000	341.568	--
6	धनौरा	शेरपुर मु०	0.000	2.473	16.152	129.370	0.000	147.995	--
7	धनौरा	खायडी	0.000	0.000	1.530	15.292	0.000	16.822	--
8	धनौरा	ढयोटी	0.000	0.259	15.411	45.644	0.000	61.314	--
9	धनौरा	बलीपुर	0.000	0.000	0.352	87.537	0.000	87.889	--
10	धनौरा	फिरोजपुर बागद	0.000	0.000	0.000	4.780	0.000	4.780	नदारद
11	धनौरा	मुसादपुर	0.000	0.000	0.690	24.080	0.000	24.770	--
12	धनौरा	गंगापुरी	0.000	0.000	1.700	2.107	0.000	3.807	--
13	धनौरा	मोहरका	0.000	0.000	0.197	86.483	0.000	86.680	--
		योग	127.93	15.918	61.182	1045.519	55.005	1305.554	

नोट:- यदि इन मर्दों की भूमि का कोई वाद मा० न्यायालय में विचाराधीन है तो मा० न्यायालय के निर्णय के उपरान्त यह भूमि स्वतः हस्तिनापुर वन्यजीव विहार में सम्मिलित हो जायेगी।

4- हस्तिनापुर वन्य जीव विहार सुव्यवस्थीकरण कार्य के अन्तर्गत भारतीय वन्य जीव अधिनियम-1972 की धारा-18 से 25 तक पूर्ण की गयी कार्यवाही के उपरान्त हस्तिनापुर वन्य जीव विहार की सीमा में निम्नलिखित 71 ग्राम सम्मिलित है, जिनका ग्रामवार एवं क्षेत्रफलवार विवरण निम्न प्रकार है:-

हस्तिनापुर वन्य जीव विहार की सीमाओं के सुव्यवस्थीकरण हेतु अभ्यारण्य में शामिल ग्रामों की भूमि का मदवार विवरण									
हस्तिनापुर वन्य जीव विहार में सम्मिलित समग्र क्षेत्रफल हे० में									
क्र० सं०	तहसील का नाम	ग्राम का नाम	वन भूमि	वन्य जीव विहार की भूमि	अन्य राजकीय भूमि	कृषि भूमि (हे० में)	बन्दोबस्त प्रक्रिया के अधीन ग्रामों की भूमि	योग (हे० में)	अव्युक्ति
1	2	3	4	5	6	7	8	9	
1	धनौरा	वन्य जीव विहार की सीमा में पूर्ण रूप से शामिल तहसील धनौरा के 54 ग्राम	5917.615	678.269	782.566	8101.293	1418.842	16098.585	बन्दोबस्त प्रक्रिया के अन्तर्गत ग्रामों की आरक्षित संरक्षण प्रारम्भ में दिये गये नदी की कमत भूमि हस्तिनापुर वन्य जीव विहार में सम्मिलित रहेगी।
2	हसनपुर	वन्य जीव विहार की सीमा में पूर्ण रूप से शामिल तहसील हसनपुर के 04 ग्राम	0.000	0.000	154.857	927.603	0.000	1082.460	बन्दोबस्त प्रक्रिया के अन्तर्गत ग्रामों की आरक्षित संरक्षण प्रारम्भ में दिये गये नदी की कमत भूमि हस्तिनापुर वन्य जीव विहार में सम्मिलित रहेगी।
3	धनौरा	अक्षांश व देशान्तर व आपत्ति के विस्तारण के अनुसार आने वाले 13 आंशिक अन्य ग्राम	127.93	15.918	61.182	1045.519	55.005	1305.554	बन्दोबस्त प्रक्रिया के अन्तर्गत ग्रामों की आरक्षित संरक्षण प्रारम्भ में दिये गये नदी की कमत भूमि हस्तिनापुर वन्य जीव विहार में सम्मिलित रहेगी।
71 ग्रामों का सम्पूर्ण योग			6045.545	694.187	998.605	10074.415	1473.847	19286.599	

5- हस्तिनापुर वन्यजीव विहार की सीमा के अन्तर्गत जलमग्न भूमि, नदी नाले की भूमि, अभ्यारण्य की सीमा में पड़ने वाली ग्राम सभा की भूमि, अन्य सरकारी भूमि तथा निजी कृषि भूमि हस्तिनापुर अभ्यारण्य में शामिल है, किन्तु हस्तिनापुर वन्यजीव विहार सीमा में पड़ने वाली ग्राम समाज भूमि एवं अन्य राजकीय विभागों की भूमि में विकास सम्बन्धी कार्य करने व उनके उपयोग एवं रखरखाव के कार्य वन्यजीव संरक्षण अधिनियम 1972 के प्राविधानों से मुक्त रहेंगे। सम्बन्धित विभागों द्वारा कोई गैर वानिकी कार्य नहीं किया जायेगा, जैसे जमीन को लीज या पट्टे पर देना, खेती करवाना या अन्य कोई समान कार्य नहीं कर सकेंगे।

6- हस्तिनापुर वन्यजीव विहार की सीमा में आने वाले कृषकों की निजी भूमि में पूर्व की भाँति उनके (कृषकों) अधिकार सुरक्षित रहेंगे। निजी कृषि भूमि में कृषि, बागवानी, वानिकी, कृषि वानिकी आदि कार्य वन्य जीव (संरक्षण) अधिनियम-1972 के प्रतिबंधों से मुक्त रहेंगे। कृषक अपनी निजी भूमि में अपना निजी आवास एवं अपने पशुओं के लिए पशुशाला आदि स्वतंत्र रूप से बना सकेंगे। कृषकों को निजी भूमि पर व्यवसायिक एवं औद्योगिक कार्य करने हेतु वन्यजीव संरक्षण अधिनियम 1972 (यथा संशोधित) के प्राविधानों का अनुपालन करना आवश्यक होगा।

7- जिन ग्रामों में आरक्षित व संरक्षित वन उपलब्ध हैं, की बन्दोबस्त कार्यवाही के दौरान कोई भी अधिकार या रियायत स्वीकृत नहीं की गई थी तथा वर्तमान में भी उन्हें कोई अधिकार या रियायत देय नहीं होगी, किन्तु हस्तिनापुर वन्य जीव विहार की सीमा में आने के बाद भी उपरोक्त ग्रामों के ग्रामवासियों के

संवैधानिक अधिकार यथावत सुरक्षित रहेंगे, किन्तु वहां के निवासियों को वन्य जीव संरक्षण अधिनियम 1972 सपटित संशोधन 1991 के प्राविधानों का तथा अन्य वन अधिनियमों का अनुपालन करना पड़ेगा।

8- गंगा नदी के किनारे ग्राम तिगरी में पूर्व काल से कार्तिक गंगा स्नान का मेला लगता आ रहा है। ग्रामवासियों के आपत्ति के आधार पर ग्राम तिगरी में अन्य राजकीय विभाग की भूमि 41.41 हे में 41.41 हे० एवं 643.11 हे० कृषि भूमि में 65.00 हे० अर्थात कुल 766.20 हे० में 106.41 हे० भूमि एवं तिगरी गंगा मेला की भूमि ग्राम लठीरा में भी होने के कारण कुल 329.14 हे० भूमि में से 185.908 हे० भूमि वन्यजीव विहार से बाहर रहेगी। तदनुसार तिगरी मेले हेतु ग्राम तिगरी एवं लठीरा ग्राम से कुल 272.318 हे० भूमि अभ्यारण्य क्षेत्र से निम्न विवरण के अनुसार बाहर कर दी गयी है-

तिगरी गंगा मेला हेतु अभ्यारण्य की सीमा से बाहर की गयी मदवार भूमि का विवरण							
क्र० सं०	ग्राम का नाम	वन भूमि	वन्यजीव विहार की भूमि	अन्य राजकीय भूमि	निजी कृषि भूमि	योग	टिप्पणी
1	2	3	4	5	6	7	8
1	लठीरा	0.000	0.000	83.124	82.784	165.908	वर्तमान में लठीरा ग्राम बन्दोबस्त प्रक्रिया में है।
2	तिगरी	0.000	0.000	41.410	65.000	106.410	-
कुल योग		0.000	0.000	124.534	147.784	272.318	-

9-इस्तिनापुर वन्य जीव विहार क्षेत्र के अन्तर्गत वन विभाग के आधिपत्य में उपलब्ध 6045.525 हे० आरक्षित वन भूमि है एवं रेलवे लाइन के किनारे की संरक्षित भूमि 3.00 हे० है, जिसका विवरण अनुसूची-'क' में दिया गया है।

10- वन्यजीव विहार की भूमि का क्षेत्रफल 678.269 हे० है, जिस पर वन्यजीव संरक्षण अधिनियम 1972 के समस्त प्रतिबंध लागू रहेगे। इस भूमि पर गैर वानिकी कार्य किया जाना प्रतिबंधित रहेगा। यदि कोई गैर वानिकी कार्य वांछित होगा तो उसके लिए विधिवत अनुमति भारत सरकार/सक्षम स्तर से प्राप्त करना होगा।

11- वन्य जीव विहार क्षेत्र में आने वाले कुल 71 ग्रामों में उपलब्ध वन्यजीव विहार की भूमि व अन्य राजकीय भूमि का क्षेत्रफल 1692.792 हे० तथा निजी कृषि भूमि का क्षेत्रफल 10074.415 हे० एवं 71 ग्रामों में सम्मिलित सभी मदों की कुल भूमि 19286.599 हे० है, जिसका उल्लेख अनुसूची-'ख' में दिया गया है।

संलग्नक- अनुसूची-क एवं ख।

(देवमणि मिश्र)  
प्रभागीय वनाधिकारी,  
वन एवं वन्यजीव प्रभाग,  
अमरोहा

(भगवान शर्मा)  
अपर जिलाधिकारी (वि०/रा०)  
अमरोहा।

(बालकृष्ण त्रिपाठी)  
जिलाधिकारी/बंदोबस्त अधिकारी  
अमरोहा।

कार्यालय जिलाधिकारी, अमरोहा

पत्रांक 2324/22-1 दिनांक, अमरोहा 28 फरवरी 2022

प्रतिलिपि:- निम्नलिखित अधिकारियों की सेवा सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- 1- प्रमुख सचिव, वन विभाग, उ०प्र० शासन, लखनऊ।
- 2- प्रधान मुख्य वन संरक्षक और विभागाध्यक्ष, उ०प्र०, लखनऊ।
- 3- प्रधान मुख्य वन संरक्षक, वन्य जीव, उ०प्र०, लखनऊ।
- 4- आयुक्त/नोडल अधिकारी, मेरठ मण्डल, मेरठ।
- 5- आयुक्त, मुरादाबाद मण्डल, मुरादाबाद।
- 6- मुख्य वन संरक्षक, रूहेलखण्ड जोन, बरेली।
- 7- मुख्य वन संरक्षक/नोडल अधिकारी, पश्चिमी क्षेत्र, मेरठ।
- 8- वन संरक्षक एवं क्षेत्रीय निदेशक, मुरादाबाद क्षेत्र, मुरादाबाद।
- 9- वन संरक्षक एवं क्षेत्रीय निदेशक, मेरठ क्षेत्र, मेरठ।
- 10- जिलाधिकारी, मेरठ, बिजनौर, मुजफ्फरनगर एवं हापुड़।
- 11- प्रभागीय वनाधिकारी/निदेशक, मेरठ, बिजनौर, मुजफ्फरनगर एवं हापुड़।
- 12- उप जिलाधिकारी, धनौरा एवं हसनपुर।
- 13- सूचना अधिकारी, अमरोहा।
- 14- क्षेत्रीय वनाधिकारी, धनौरा एवं हसनपुर।

Balika

(बालकृष्ण त्रिपाठी)  
बंदोवस्त अधिकारी/जिलाधिकारी  
अमरोहा।

## **Annexure 15 (E)**

Receipt of the letter submitted to DFO, Amroha vide letter no. 29.04.2022 for authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS

ole



JASL/ENV/2022/003

Dated: 29-04-2022

To  
The Divisional Forest Officer  
Forest Department Office  
Amroha  
Uttar Pradesh, 244221

Subject: Request for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur WildLife Sanctuary boundary & WildLife Habitat boundary, HWLS, District- Amroha, U.P.

Dear Sir/Madam,

Jubilant Ingrevia Limited, is an Indian Multinational Corporate, and a leader in Research and Manufacturing of Synthetic Organic Chemicals, Advanced Pharmaceutical Ingredients (API), Pharmaceutical manufacturing, Agri Intermediates, Drug Discovery and Contract Research Manufacturing Services Company with a wide range of products and services for global life sciences companies. The Company is one of the largest Custom Research and Manufacturing Services (CRAMS) and drug discovery services companies in India.

We, Jubilant Agro Sciences Limited (the "Applicant"), is a 100% subsidiary of the Jubilant Ingrevia Limited. We are proposing to install and operate a green field Grain Based Distillery Unit of Capacity 400 KLD under the Government of India's initiative for Ethanol Blended Petrol Programme (EBP), on a Plot area of about 66,076 Sq Mtr earmarked in UPSIDC Industrial Area, Bhartiya Gram, Gajraula, Uttar Pradesh. The ethanol produced will be solely used for the Ethanol Blended Petrol Programme of the Government of India and is therefore of National Importance with very aspirational time targets.

We submit that our proposed project area does not fall within the revised boundary of the Hastinapur Wild Life Sanctuary approved by the National Wild Life Board ("NWLB") vide its MoM F.No. 6-50/2020 WL dated 23.10. 2020 (Enclosure 1). This proposal was submitted to

Handwritten notes in blue ink: '04/5/2022' and other illegible scribbles.

**A Jubilant Ingrevia Company**

**OUR VALUES**



**Jubilant Agro Sciences Limited**  
(formerly Jubilant Crop Protection Limited)  
Plot No. A4/2, UPSIDC Industrial Area,  
Bhartiagram, Gajraula,  
Distt. Amroha - 244 223, UP, India  
Tel: +91 5924 267437-38

**Regd & Corporate Office:**  
1-A, Sector 16-A,  
Noida-201 301, UP, India  
Tel: +91 120 4361000  
Fax: +91 120 4234895-96  
CIN: U24100UP2021PLC146803



the NWLB by the State WLB, Government of UP with the revised boundary of the Hastinapur Wild Life Sanctuary on 04.11.2019, which was based on a study conducted by/through the Wildlife Institute, Dehradun for delimitation of the Wild Life Sanctuary boundary on 19th September 2018. Earlier the boundary of the Hastinapur Wild Life Sanctuary was notified by MoEF vide gazette notification no. 3782/14-3-57-84 dated 30 July, 1986 (Enclosure 2) for which the actual boundary with GPS position was notified by the MoEFCC vide its S.O. 4890(E) dated 19 September 2018 (Enclosure 3). Now, after the approval of the revised Boundary by the NWLB, the UP State Government has vide its order No. 1275/81-4-2020-852/97 Dt. 17.11.2020 has ordered for commencing the activities for demarcating the land as per the Denotified Wild Life Sanctuary boundary (Enclosure 4).

We gathered that the Revised / Denotified Hastinapur Wild Life Sanctuary boundary is as in the Enclosure 5 and therefore the proposed project area has been completely excluded. The Proposed Project now falls approx. 5.61 kms from the Hastinapur Wild Life Habitat Boundary as in Enclosure 6, as per the denotified HWLS Boundary. The Boundaries of the Original Hastinapur WildLife Sanctuary Boundary, the Notified EcoSensitive Zone and the Denotified WildLife Habitat Boundary are marked on the toposheet for ready reference as in Enclosure 7.

We understand that the process of gazette notification of the Denotified Hastinapur WildLife Sanctuary Boundary is expected very shortly and delayed for UP Assembly election code of conduct.

As our proposed project is currently falling within the Hastinapur Wildlife Sanctuary notified in 1986, in compliance with the provisions of Wildlife Protection Act 1972, we are also applying for grant of provisional/conditional wildlife clearance at National Board for Wildlife Clearance (NBWL), MoEF&CC.

We therefore request you to kindly authenticate the above mentioned distances of the project site from the notified Hastinapur Wildlife Sanctuary boundary & from the revised WildLife Habitat boundary, HWLS as per the maps attached.

Following are the enclosures as given below:

**A Jubilant Ingrevia Company**

**OUR VALUES**



**Jubilant Agro Sciences Limited**  
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1. Enclosure-1- Minutes of Meeting Dt. 23.10.2020 of the National Wild Life Board approving the recommendation of rationalisation of HWLS Boundary given by UP State WildLife Board
2. Enclosure-2- MoEF gazette notification no. 3782/14-3-57-84 dated 30 July, 1986
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4. Enclosure-4- Order by Govt. of U.P. for demarcating the Denotified/Revised Wild Life Boundary dated 17.11.2020.
5. Enclosure-5- Denotified Hastinapur WildLife Sanctuary Boundary maps as approved by NBWL
6. Enclosure-6- Geo-referenced map of the protected area showing notified Hastinapur WildLife Sanctuary boundary & its ESZ boundary and Distance marking from the Proposed Project boundary to the Denotified Hastinapur WildLife Sanctuary Boundary maps as approved by NBWL
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Request you for expeditious action to facilitate progress on this project of National importance.

Yours faithfully  
For Jubilant Agro Sciences Limited

  
Anil Khubchandani  
Director

Encl: As Above

CC: The Chief WildLife Warden, Forest Department Office, Amroha, Uttar Pradesh-244221

A Jubilant Ingrevia Company

OUR VALUES



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CIN: U24100UP2021PLC146803

### **Annexure 15 (F)**

Receipt of the letter submitted to CWLW, Bareilly vide letter no. 29.04.2022 for authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS

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JASL/ENV/2022/003

Dated: 29-04-2022

To  
 The Divisional Forest Officer  
 Forest Department Office  
 Amroha  
 Uttar Pradesh, 244221

Subject: Request for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur WildLife Sanctuary boundary & WildLife Habitat boundary, HWLS, District- Amroha, U.P.

Dear Sir/Madam,

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We submit that our proposed project area does not fall within the revised boundary of the Hastinapur Wild Life Sanctuary approved by the National Wild Life Board ("NWL B") vide its MoM F.No. 6-50/2020 WL dated 23.10. 2020 (Enclosure 1). This proposal was submitted to

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OUR VALUES



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the NWLB by the State WLB, Government of UP with the revised boundary of the Hastinapur Wild Life Sanctuary on 04.11.2019, which was based on a study conducted by/through the Wildlife Institute, Dehradun for delimitation of the Wild Life Sanctuary boundary on 19th September 2018. Earlier the boundary of the Hastinapur Wild Life Sanctuary was notified by MoEF vide gazette notification no. 3782/14-3-57-84 dated 30 July, 1986 (Enclosure 2) for which the actual boundary with GPS position was notified by the MoEFCC vide its S.O. 4890(E) dated 19 September 2018 (Enclosure 3). Now, after the approval of the revised Boundary by the NWLB, the UP State Government has vide its order No. 1275/81-4-2020-852/97 Dt. 17.11.2020 has ordered for commencing the activities for demarcating the land as per the Denotified Wild Life Sanctuary boundary (Enclosure 4).

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We understand that the process of gazette notification of the Denotified Hastinapur Wildlife Sanctuary Boundary is expected very shortly and delayed for UP Assembly election code of conduct.

As our proposed project is currently falling within the Hastinapur Wildlife Sanctuary notified in 1986, in compliance with the provisions of Wildlife Protection Act 1972, we are also applying for grant of provisional/conditional wildlife clearance at National Board for Wildlife Clearance (NBWL), MoEF&CC.

We therefore request you to kindly authenticate the above mentioned distances of the project site from the notified Hastinapur Wildlife Sanctuary boundary & from the revised Wildlife Habitat boundary, HWLS as per the maps attached.

Following are the enclosures as given below:

**A Jubilant Ingrevia Company**

**OUR VALUES**



**Jubilant Agro Sciences Limited**  
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Plot No. A4/2, UPSIDC Industrial Area,  
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Request you for expeditious action to facilitate progress on this project of National importance.

Yours faithfully

For Jubilant Agro Sciences Limited

  
**Anil Khubchandani**  
**Director**

Encl: As Above

CC: The Chief WildLife Warden, Forest Department Office, Amroha, Uttar Pradesh-244221

Bareilly, 243001

06/05  
A Jubilant Ingrevia Company

प्रशासनिक अधिकारी  
कार्यालय  
मुख्य वन  
रहेलखण्ड जोन  
OUR VALUES



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CIN: U24100UP2021PLC146803

## **Annexure 15 (G)**

Receipt of the reminder Letter submitted to Chief Conservator of Forest, Bareilly vide letter no. 23.05.2022 for authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS



JASL/ENV/2022/014

May 23, 2022

To

The Chief Wildlife Warden *Conservator of Forest*  
Forest Department Office, *Rohitkhand Zone*  
Bareilly, Uttar Pradesh-242001

**Subject: Request for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS, District- Amroha, U.P.**

**Reference: 1. Oure letter NO. JASL/ENV/2022/003 dated 29.04.2022**  
**2. MOM of 06th Meeting of The Expert Appraisal Committee, MoEFCC, held on 19.05.2022**

Dear Sir/Madam,

This has reference to our request letter for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS, District- Amroha vide letter no JASL/ENV/2022/003 dated 29.04.2022, acknowledgement copy attached as **Annexure-1**.

Further, hearing of our Application for Environmental Clearance of Proposed Greenfield Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GoI was held at MoEF&CC on 19/05.2022. A copy of the MoM of the EAC meeting is attached as **Annexure-2**.

Kindly refer to the MoM of the EAC, MoEF&CC in the last page. The EAC has deferred the appraisal of the project, seeking additional information regarding the proposed project location within Hastinapur Eco Sensitive Zone. We request your good office to kindly issue us a Provisional/ conditional certificate authenticating the distance of the project site from Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, based on the denotification exercise undertaken by the UP State Government and the revised boundaries awaiting the final notification, as submitted vide our letter JASL/ENV/2022/003 dated 29.04.2022.

A Jubilant Ingeviva Company

OUR VALUES



**Jubilant Agro Sciences Limited**  
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Plot No. A4/2, UPSIDC Industrial Area,  
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**JUBILANT**  
AGROSCIENCES

Request you for expeditious action to facilitate grant of Environment Clearance for this project of National importance.

Yours faithfully  
For Jubilant Agro Sciences Limited

**Anil Khubchandani**  
Director

Encl: As Above

CC: The Divisional Forest Officer, Forest Department Office, Amroha, Uttar Pradesh, 244221

A Jubilant Ingrevia Company

OUR VALUES



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## **Annexure 15 (H)**

Receipt of the reminder Letter submitted to DFO, Amroha vide letter no. 23.05.2022 for authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS



O/c  
जाबलान्त  
अग्रो साइंसेस  
23/5/22

JASL/ENV/2022/014

May 23, 2022

To  
The Chief WildLife Warden,  
Forest Department Office,  
Bareilly, Uttar Pradesh-242001

उत्तराखण्ड  
उ.महोदय वन प्रणालय  
अम्रोहा

**Subject: Request for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur WildLife Sanctuary boundary & WildLife Habitat boundary, HWLS, District- Amroha, U.P.**

**Reference: 1. Oure letter NO. JASL/ENV/2022/003 dated 29.04.2022  
2. MOM of 06th Meeting of The Expert Appraisal Committee, MoEFCC, held on 19.05.2022**

Dear Sir/Madam,

This has reference to our request letter for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur WildLife Sanctuary boundary & WildLife Habitat boundary, HWLS, District- Amroha vide letter no JASL/ENV/2022/003 dated 29.04.2022, acknowledgement copy attached as **Annexure-1**.

Further, hearing of our Application for Environmental Clearance of Proposed Greenfield Grain based Distillery Unit of Capacity 400 KLD under Ethanol Blended Petrol (EBP) Programme of GoI was held at MoEF&CC on 19.05.2022. A copy of the MoM of the EAC meeting is attached as **Annexure-2**.

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A Jubilant Ingrevia Company

OUR VALUES



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Request you for expeditious action to facilitate grant of Environment Clearance for this project of National importance.

Yours faithfully  
For Jubilant Agro Sciences Limited

Anil Khubchandani  
Director

Encl: As Above

CC: The Divisional Forest Officer, Forest Department Office, Amroha, Uttar Pradesh, 244221

A Jubilant Ingrevia Company

OUR VALUES



**Jubilant Agro Sciences Limited**  
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Bharatnagar, Gopnala,  
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## **Annexure 15 (I)**

Letter by the Conservator of Forest, Meerut dated 27.05.2022 to request for authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS for necessary action to DFO, Amroha

etc



JASL/ENV/2022/017

May 27, 2022

To,  
The Conservator of Forest,  
Civil Lines,  
Meerut- 250001

**Subject:** Request for issuance of Provisional/ conditional certificate authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS, District- Amroha, U.P.

- Reference:**
1. Our letter NO. JASL/ENV/2022/003 dated 29.04.2022 to Forest Department, Bareilly (Annexure-1)
  2. Our letter NO. JASL/ENV/2022/014 dated 23.05.2022 to Forest Department, Bareilly (Annexure-2)
  3. MOM of 06th Meeting of the Expert Appraisal Committee, held on 19.05.2022 (Annexure-3)



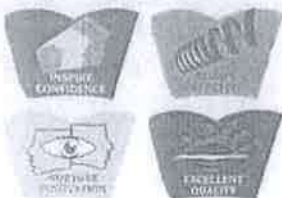
Dear Sir/Madam,

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Page 1 of 3

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We gathered that the Revised / Denotified Hastinapur Wild Life Sanctuary boundary is as in the Enclosure 5 and therefore the proposed project area has been completely excluded. The Proposed Project now falls approx. 5.61 kms from the Hastinapur Wild Life Habitat Boundary as in Enclosure 6, as per the denotified HWLS Boundary. The Boundaries of the Original Hastinapur Wildlife Sanctuary Boundary, the Notified EcoSensitive Zone and the Denotified Wildlife Habitat Boundary are marked on the toposheet for ready reference as in Enclosure 7.

We understand that the process of gazette notification of the Denotified Hastinapur Wildlife Sanctuary Boundary is expected very shortly and delayed for UP Assembly election code of conduct.

As our proposed project is currently falling within the Hastinapur Wildlife Sanctuary notified in 1986, in compliance with the provisions of Wildlife Protection Act 1972, we are also applying for grant of provisional/conditional wildlife clearance at National Board for Wildlife Clearance (NBWL), MoEF&CC.

We therefore request you to kindly authenticate the above mentioned distances of the project site from the notified Hastinapur Wildlife Sanctuary boundary & from the revised Wildlife Habitat boundary, HWLS as per the maps attached.


Following are the enclosures as given below:

1. Enclosure-1- Minutes of Meeting Dt. 23.10.2020 of the National Wild Life Board approving the recommendation of rationalisation of HWLS Boundary given by UP State Wildlife Board
2. Enclosure-2- MoEF gazette notification no. 3782/14-3-57-84 dated 30 July, 1986
3. Enclosure-3- MoEFCC notification S.O. 4890(E) dated 19 September 2018 showing actual boundary with GPS position of Hastinapur wildlife Sanctuary
4. Enclosure-4- Order by Govt. of U.P. for demarcating the Denotified/Revised Wild Life Boundary dated 17.11.2020.
5. Enclosure-5- Denotified Hastinapur Wildlife Sanctuary Boundary maps as approved by NBWL
6. Enclosure-6- Geo-referenced map of the protected area showing notified Hastinapur Wildlife Sanctuary boundary & its ESZ boundary and Distance marking from the Proposed Project boundary to the Denotified Hastinapur Wildlife Sanctuary Boundary maps as approved by NBWL
7. Enclosure-7-Topo Map showing notified Hastinapur Wildlife Sanctuary boundary & its ESZ boundary and Distance marking from the Proposed Project boundary to the Denotified Hastinapur Wildlife Sanctuary Boundary maps as approved by NBWL
8. Enclosure-8-KML Map showing notified Hastinapur Wildlife Sanctuary boundary & its ESZ boundary and Distance marking from the Proposed Project boundary to the Denotified Hastinapur Wildlife Sanctuary Boundary maps as approved by NBWL

Request you for expeditious action to facilitate progress on this project of National importance.

**Thanking you,**

**Yours faithfully  
For Jubilant Agro Sciences Limited**

  
**Anil Khubchandani  
Director**

**Encl: As Above**

## **Annexure 15 (J)**

Letter by the Conservator of Forest, Meerut dated 31.05.2022 where the request for authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS for necessary action to DFO, Amroha

## कार्यालय वन संरक्षक/क्षेत्रीय निदेशक, सामाजिक वानिकी, मेरठ क्षेत्र, मेरठ

(223/1 सिविल लाइन मेरठ-250001)

पत्रांक 4528 / 14-1 दिनांक, मेरठ 31, मई, 2022

सेवा में,

जूबिलेन्ट एग्रो साईंस लि०  
प्लॉट न० ए४/२,  
यू०पी०एस०आई०डी०सी० इण्डस्ट्रीयल एरियां,  
भारतीयग्राम गजरौला,  
जिला अमरोहा-244223

विषय:- Request of issuance of Provisional/conditional certificate authenticating the distance of the project site from notified Hastinapur Wildlife Sanctuary boundary & Wildlife Habitat boundary, HWLS, District-Amroha, U.P.

संदर्भ:- आपका पत्रांक JASL/ENV/2022/17, दिनांक 27.05.2022।

महोदय,

आपके द्वारा उपरोक्त विषयक प्रस्ताव इस कार्यालय को प्रेषित किया गया है, जबकि उक्त प्रस्ताव पर कार्यवाही प्रभागीय वनाधिकारी, अमरोहा एवं वन संरक्षक मुरादाबाद के कार्यालय से की जानी है। अतः आपके द्वारा प्रेषित प्रस्ताव मूल में संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किया जा रहा है। संलग्नक-उपरोक्तानुसार।

भवदीय

(गंगा प्रसाद)

वन संरक्षक/क्षेत्रीय निदेशक,  
सामाजिक वानिकी मेरठ क्षेत्र, मेरठ।

पत्रांक / दिनांकित।

1-प्रतिलिपि वन संरक्षक, मुरादाबाद, वृत्त मुरादाबाद सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।  
2-प्रतिलिपि प्रभागीय वनाधिकारी अमरोहा वन प्रभाग अमरोहा को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

(गंगा प्रसाद)

वन संरक्षक/क्षेत्रीय निदेशक,  
सामाजिक वानिकी मेरठ क्षेत्र, मेरठ।